

ANNEX I

The set of priority policy fields which was identified across different geographical zones in Europe (Table 4), has resulted from specific Regional Priorities for selected EU MS; these are summarised below¹:

1.1.1 AUSTRIA

HEALTH

The probability that climate change can have an impact on the Austrian health sector is considered medium. It is estimated that the consequences of climate change can lead to a moderate increase in the number of patients. Climate change is estimated to have a low to medium impact on air pollution, whereas the probability of air pollution incidents due to climate change is considered low to medium.

SOCIAL POLICIES

The probability of impacts of climate change on social inequality and vulnerability is estimated low. In any case the expected impacts of climate change would have insignificant effects on social inequality and vulnerability. In the case of tourism though, there is medium probability for an increase, with important impact of climate change on it. Moreover, the probability of impacts of climate change on migration is considered low to medium, whereas only insignificant social effects would have to be expected by climate change.

AGRICULTURE

In the agricultural sector, the probability of impacts of climate change on the reduction of crop productivity (due to heat stress) is estimated medium. Climate change would have moderate effects on the reduction of crop productivity. The probability of impacts of climate change on increasing irrigation problems is estimated as medium, whereas these climate change impacts would have low to moderate effects on the existing conditions. It is considered very highly possible that flood risk is increased due to climate change impacts; thus climate change impacts would have important effects on flooding. On the other hand, probability of impacts of climate change on soil degradation is considered medium, but these impacts would cause low degradation effects.

FORESTS

The probability of impacts of climate change on the rise in flood risk is estimated as medium. However, these impacts of climate change would have low effects on flooding as well as on the Austrian forest sector. In particular, the probability of loss of forest land has been estimated as low, whereas the expected effects on the environment are insignificant.

ECOSYSTEMS

The probability of impacts of climate change on the depletion or loss of habitats has been estimated as medium. It is expected that these impacts of climate change would have low to

¹ The priority policy fields have been identified through both primary and secondary sources, i.e. input collected from surveys carried out by the project partners (involving only a limited number of policy makers and experts) and information extracted from relevant reports and studies (a detailed list of references is provided in section 6 of this report).

moderate effects on depletion or loss of habitats. Moreover, the probability of impacts of climate change on soil erosion has been estimated as medium, whereas the impacts of climate change on soil erosion would be very significant.

BIODIVERSITY

The probability of impacts of climate change on niche limitations and changes in the species distribution has been estimated as medium. However, climate change is expected to have important effects on niche limitations and changes in the species distribution. Also the probability of impacts of climate change on species extinction has been estimated as medium, whereas climate change would have only minor effects on species extinction.

WATER

The probability of impacts of climate change on water scarcity, desertification and drought is estimated as medium. At the same time, the impacts of climate change on water scarcity, desertification and drought are considered low to moderate. The same is almost valid for the probability of impacts of climate change on an increase in flood risk (medium to high probability, low to moderate effects). The probability of impacts of climate change on the deterioration of freshwater quality (salinity/pollution) is estimated as low to medium, whereas climate change has low to moderate effects on water quality deterioration.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on transport or communication infrastructure development and telecommunication system expansion is estimated as medium. At the same time, these impacts of climate change on transport or communication infrastructure development are expected to be low to moderate. The probability of impacts of climate change on banking system collapses, on the energy infrastructure development and on food production systems is estimated low to medium. In Austria, it is expected that climate change can only cause insignificant effects on the banking system, the energy infrastructure and food production. The probability of impacts of climate change on increasing the energy demand has been estimated as medium to high. However, impacts of climate change on energy demand are expected low. The probability of impacts of climate change on a collapse of the insurance system (in case of extreme damages) is estimated medium to high. However, climate change impacts would have low to moderate effects on such a collapse. Both the probability of climate change impacts and their level of significance on tourism economy are expected to be high.

1.1.2 BULGARIA

HEALTH

The probability of climate change impacts on air pollution and on the number of patients is estimated as medium. It is also expected that climate change would have moderate effects on air pollution and the number of patients (potential increase).

SOCIAL POLICIES

The probability of impacts of climate change on an increase of migration, social inequality and vulnerability is estimated as medium. At the same time, climate change is expected to

generate low to moderate effects on the increase in migration, social inequality and vulnerability.

AGRICULTURE

In the agricultural sector, the probability of impacts of climate change on crop productivity is estimated as medium. It is expected that climate change will have moderate impacts on a reduction of crop productivity, for instance due to heat stress. The probability of impacts of climate change on flood risk is estimated as high. It is expected that climate change will have important effects by highly increasing flooding.

The probability of impacts of climate change on soil degradation is estimated as low to medium. Moreover, it is expected that climate change may cause moderate effects on soil degradation, which is rather increased due to unsustainable uses of land. The probability of impacts of climate change on irrigation is estimated as medium to high. It is expected that these impacts of climate change will cause moderate level irrigation problems.

FORESTS

Also in the forest sector, the probability of impacts of climate change on flood risk is estimated as medium to high. It is expected that these impacts of climate change cause moderate effects such as increasing flooding events. Also the probability of loss of forest land due to climate change is estimated as medium. The impact of climate change would have moderate consequences for forest land loss.

ECOSYSTEMS

The probability of impacts of climate change on depletion of ecosystems or loss of habitats is estimated medium to high. In Bulgaria, climate change is expected to cause moderate level depletion or loss of habitats. Also, the probability of impacts of climate change on soil erosion is considered medium. Climate change is expected to cause important effects on soil erosion.

BIODIVERSITY

A medium probability of species extinction and changes in species distribution due to climate change is estimated medium, whereas climate change will cause moderate problems on species extinction and distribution processes. The probability of impacts of climate change on niche limitations is assessed as medium to high. Climate change will cause moderate effects on niche limitations. The probability of impacts of climate change on fish stocks is considered as medium. At the same time, the specific impacts of climate change would have low to medium effects on fish stocks' growth.

WATER

The probability of impacts of climate change on water scarcity, deterioration of freshwater quality and desertification, is estimated as medium to high. Climate change is expected to have important effects on water availability and condition. Moreover, the probability of impacts of climate change on flooding is high. Climate change is expected to cause important effects related to flooding. In the same way the probability of impacts of climate

change on droughts is medium to high. Climate change is expected to cause moderate effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level rise is estimated medium in Bulgaria. At the same time, climate change will have low to moderate effects on sea level rise. In any case the probability of impacts of climate change on extreme weather events is considered medium to high. Effects of climate change on extreme weather events are expected moderate. The probability of impacts of climate change on fisheries' is estimated as medium, whereas the expected effects of climate change on fisheries' growth are low to moderate. Finally, the probability of impacts of climate change on coastal erosion is estimated as high. Climate change would have moderate effects for coastal erosion.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on energy infrastructure development, harbours' infrastructure development, transport or communication infrastructure development, telecommunication systems development, food production systems development and increase in energy demand is estimated medium to high. These expected impacts of climate change on energy infrastructure development, harbours' infrastructure development, transport or communication infrastructure development, telecommunication systems development, food production systems development and increase in energy demand, may be moderate. The probability of impacts of climate change on the banking system is estimated as medium. It is expected that the effects of climate change on a banking system collapse are moderate. On the other hand, the probability of impacts of climate change on a collapse of the insurance system is estimated as medium, whereas the effects of climate change on the insurance system would be low to moderate. The probability of impacts of climate change on tourism in Bulgaria are estimated as medium to high, although climate change can have low to moderate effects on tourism growth.

1.1.3 CYPRUS

HEALTH

The probability of impacts of climate change on a rise in air pollution and increase of patients is estimated as medium. Climate change would have low to moderate effects on air pollution and increase of patients in Cyprus.

SOCIAL POLICIES

The probability of impacts of climate change on migration to increase has been estimated as medium to high. The expected effects of climate change on migration would be moderate. There is also a low probability of impacts of climate change on social inequality and vulnerability. It is expected that climate change has only minimal effects on social inequality and vulnerability in Cyprus.

AGRICULTURE

In the sector of agriculture, the probability of impacts of climate change on crop productivity, soil and irrigation is estimated medium to high. The expected effects of climate change on crop productivity reduction (due to heat stress), soil degradation (due to

unsustainable uses of land) as well as irrigation problems are moderate, with consequences even for the country's socioeconomic situation. At the same time the probability of impacts of on flood risk has been assessed as low, whereas climate change shows only insignificant effects on flooding issues.

FORESTS

As far as the forest sector is concerned, the probability of impacts of climate change on flooding and loss of forest land is estimated as medium to high, whereas climate change is expected to have a moderate impact on flooding and loss of forest land.

ECOSYSTEMS

The probability of impacts of climate change on depletion, loss of habitats, soil erosion and urban environment is estimated as medium to high. It is expected that climate change will have moderate impacts on depletion, loss of habitats, soil erosion and urban environment.

BIODIVERSITY

The probability of impacts of climate change on species extinction, changes in species distribution and niche limitations is estimated as medium, whereas climate change will have low to moderate effects on species extinction, changes in species distribution and niche limitations. Moreover, the probability of impacts of climate change on fish stocks is estimated high, whereas climate change is expected to have important effects on fish stocks.

WATER

The probability of impacts of climate change on water scarcity, droughts, deterioration of freshwater quality, desertification and flooding is estimated as high. It is expected that climate change will have important effects on water scarcity, droughts, deterioration of freshwater quality, desertification as well as flooding.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on extreme weather events and coastal erosion is estimated as medium to high. Impacts of climate change are expected to have moderate effects on extreme weather events and coastal erosion. At the same time, impacts of climate change on sea level rise are estimated as medium. Any impacts of climate change on sea level rise will cause low to moderate effects. The probability of impacts of climate change on fishery is considered high. It is further estimated that climate change will generate important effects on fisheries' growth.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on an increase in energy demand and of energy infrastructure's development is estimated as medium to high. Climate change will have moderate effects on an increase in energy demand as well as on energy infrastructure's development. As far as telecommunication systems and transport and communications infrastructure are concerned, the probability of impacts of climate change on their development is estimated as medium. Low to moderate effects have to be expected by climate change on telecommunication systems and transport and communications infrastructure development. Finally, the probability of impacts of climate change on harbour

infrastructure improvement or development, on a banking system collapse as well as on a collapse of the insurance system is estimated as medium to high. Impacts of climate change are moderate for harbour infrastructure or development, a banking system collapse (due to prolonged power failure) as well as a collapse of the insurance system (in case of extreme damages). At the same time, the probability of impacts of climate change on tourism is estimated as high, whereas important effects have to be expected by these impacts of climate change on tourism growth.

1.1.4 DENMARK

HEALTH

In the health sector, the probability of impacts of climate change on an increase of patients and rise in air pollution is estimated as medium. At the same time, low to moderate effects on an increase of patients and rise in air pollution have to be expected by climate change.

AGRICULTURE

The probability of impacts of climate change on crop productivity is estimated as medium. The effects of climate change on a reduction of crop productivity (due to heat stress) are of low to moderate level relevance. The probability of impacts of climate change on irrigation issues is estimated as medium, whereas the expected effects of climate change causing irrigation problems are of low to moderate importance. The probability of impacts of climate change on an increased flood risk is estimated as medium. Effects of climate change for flooding would be moderate. The probability of impacts of climate change on soil degradation is estimated as medium. Also, moderate effects for soil degradation have to be expected by climate change.

FORESTS

The probability of impacts of climate change on flooding is estimated as medium with low to moderate effects expected by climate change on flooding risk increase. Also the probability of climate change impacts on a loss of forest land has been estimated medium. Climate change is expected to have low to moderate effects on the loss of forest land as well.

BIODIVERSITY

The probability of impacts of climate change on species extinction is estimated as low in Denmark, while the probability of impacts of climate change on changes in species distribution is estimated as medium. The effects that have to be expected by climate change on species extinction are of low importance and on species distribution are of low to moderate importance. The probability of impacts of climate change on Danish fishstocks is estimated as high. Moreover, the effects for fishstocks' growth are expected to be important.

WATER

The probability of impacts of climate change on water scarcity, droughts, flooding, desertification and deterioration of freshwater quality is estimated as medium. Effects of climate change on water scarcity, droughts, flooding, desertification and deterioration of freshwater quality are expected to be low to moderate.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on extreme weather events, coastal erosion, sea level rise as well as fishery is estimated events as medium. These impacts of climate change are expected to generate low to moderate effects related to extreme weather events, coastal erosion, sea level rise as well as fisheries' development.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on an increase in energy demand, energy infrastructure development, telecommunication systems' growth, transport and communications infrastructure development is estimated as medium. In any case, low to moderate effects on energy demand, energy infrastructure development, telecommunication systems' growth, transport and communications infrastructure development have to be expected by climate change as well.

1.1.5 ESTONIA

HEALTH

In Estonia, the probability of impacts of climate change on the increase of patients is estimated as medium. At the same time, climate change is expected to have low to moderate impacts on the increase of patients. The probability of impacts of climate change on a rise in air pollution is assessed to be low while the effects of climate change on a rise in air pollution play an insignificant role.

SOCIAL POLICIES

The probability of impacts of climate change on migration and tourism is estimated as medium. However, low to moderate impacts on migration and tourism have to be expected by climate change, also affecting the country's further socioeconomic development.

AGRICULTURE

The probability of impacts of climate change on crop productivity, soil degradation, irrigation and flood risk is estimated as medium. The impacts of climate change on a reduction of crop productivity (due to heat stress), soil degradation (due to unsustainable uses of land), irrigation problems and increase in flood risk are expected to cause low to moderate effects as well.

FORESTS

The probability of impacts of climate change on flooding and loss of forest land is estimated as medium. Impacts of climate change on flooding and loss of forest land will have low to moderate effects as well.

ECOSYSTEMS

The probability of impacts of climate change on depletion or loss of habitats has been estimated as medium. In Estonia climate change is expected to have low to moderate effects on depletion or loss of habitats.

Also the probability of impacts of climate change on soil erosion is considered medium to high, whereas climate change is expected to have low to moderate effects on soil erosion as well.

BIODIVERSITY

The probability of impacts of climate change on fish stocks' development and niche limitations is estimated as medium. Impacts of climate change on fish stocks' development and niche limitations are expected low to moderate. The probability of impacts of climate change on changes in species distribution (species migration) is estimated as high. Moreover, the impacts of climate change are expected to have important effects on changes in species distribution. Accordingly, the probability of impacts of climate change on species extinction is estimated as high. These impacts of climate change are expected to have low to moderate effects on species extinction.

WATER

In Estonia, the probability of impacts of climate change on water scarcity and droughts is estimated as medium, whereas the impacts of climate change on water scarcity and droughts are considered low to moderate. Except that, the probability of impacts of climate change on deterioration of freshwater quality (salinity/pollution) and flooding is estimated as high. It has to be mentioned that the impacts of climate change have important effects for deterioration of freshwater quality and flooding increase.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on extreme weather events, coastal erosion, sea level rise, fisheries' growth is estimated as high. Important effects of climate change on extreme weather events, coastal erosion, sea level rise, fisheries' growth are expected by the project consortium.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on energy infrastructure and food production systems is considered medium. Impacts of climate change are not expected to have low to moderate effects on energy infrastructure development and food production systems' growth in Estonia. On the other hand, the probability of impacts of climate change on the telecommunication system, as well as the transport and communications infrastructure, the harbours' and airports' development appears low, whereas the impacts of climate change on the telecommunication system as well as the transport and communications infrastructure development and the harbours' and airports' development, are considered insignificant.

1.1.6 FINLAND

HEALTH

The probability of impacts of climate change on the increase of patients is estimated as medium, whereas the impacts of climate change are expected to have low to moderate effects on the increase of patients.

AGRICULTURE

The probability of impacts of climate change on crop productivity and soil degradation is estimated as medium. According to the present study, the impacts of climate change on reduction of crop productivity (due to heat stress) and soil degradation (due to unsustainable uses of land) will be low to moderate as well.

FORESTS

The probability of impacts of climate change on flooding and loss of forest land is estimated as medium in Finland. Moreover, it is expected that impacts of climate change on flooding and loss of forest land will have low to moderate effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion or loss of habitats has been estimated as medium. In Finland climate change is expected to have low to moderate effects on depletion or loss of habitats.

Also the probability of impacts of climate change on soil erosion is considered medium, whereas climate change is expected to have low to moderate effects on soil erosion as well.

BIODIVERSITY

The probability of impacts of climate change on species extinction, changes in species distribution (species migration), fish stocks' development as well as niche limitations is estimated as medium. Impacts of climate change on species extinction, changes in species distribution, fish stocks' development as well as niche limitations are estimated low to moderate.

WATER

The probability of impacts of climate change on droughts, deterioration of freshwater quality (salinity/pollution) and flooding are estimated as medium. These impacts of climate change on droughts, deterioration of freshwater quality (salinity/pollution) and flooding are considered low to moderate. The probability of impacts of climate change on water scarcity has been assessed as low, whereas any possible impacts of climate change on water scarcity are considered insignificant in Finland.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on extreme weather events, coastal erosion, fisheries' growth and sea level rise is estimated as medium. At the same time, impacts of climate change on extreme weather events, coastal erosion, fisheries' growth and sea level rise will have low to moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on energy demand, energy infrastructure, food production system, telecommunication, transport and communication infrastructure is estimated as medium. Low to moderate impacts of climate change on an increase in energy demand, energy infrastructure development, food production systems' growth, telecommunication systems' and transport and communications' infrastructure development are expected by the project team.

1.1.7 FRANCE (North Europe report)

HEALTH

The probability of impacts of climate change on rise in air pollution is estimated as medium to high, while the impacts of climate change on rise in air pollution are expected to cause

low to moderate effects. The probability of impacts of climate change on the number of patients is estimated high. In France (northern regions), climate change will cause important effects on an increase of patients.

SOCIAL POLICIES

The probability of impacts of climate change on migration has been estimated medium. According to the project studies, these impacts of climate change on an increase of migration will be insignificant. The probability of impacts of climate change on social inequality and vulnerability increase is considered low. In France (northern regions), climate change is not expected to significantly increase social inequality or vulnerability.

AGRICULTURE

The probability of impacts of climate change on crop productivity has been estimated as low to medium. However, these impacts of climate change would have moderate effects only on a reduction of crop productivity (due to heat stress). The probability of impacts of climate change on an increase in flood risk is estimated as medium to high. In any case climate change is expected to have low to moderate effects on an increase in flood risk. The probability of impacts of climate change on soil degradation has been assessed as medium. These impacts of climate change on soil degradation (due to unsustainable uses of land) will have moderate effects. The probability of impacts of climate change on irrigation problems is estimated as low to medium, whereas low to moderate effects of climate change are expected as regards irrigation issues.

FORESTS

As regard the forests sector, the probability of impacts of climate change on a rise in flood risk has been estimated low to medium. Impacts of climate change are considered to have moderate effects on flood risk. The probability of impacts of climate change on possibility of loss of forest land has to be considered high. These impacts of climate change will generate moderate effects on loss of forest land.

ECOSYSTEMS

The probability of impacts of climate change on depletion and loss of habitats is estimated medium to high, whereas moderate effects of climate change have to be expected for the depletion and the loss of habitats. The probability of impacts of climate change on soil erosion has been assessed as low to medium. These impacts of climate change will show low to moderate effects on soil erosion.

BIODIVERSITY

The probability of impacts of climate change on niche limitations and changes in species distribution is estimated as medium to high. As also in other European areas, also in France the impacts of climate change on niche limitations and changes in species will be important. The probability of impacts of climate change on species extinction is estimated as high. In this case climate change will have important effects on species extinction as well. The probability of impacts of climate change on fish stocks' development is estimated as medium to high. At the same time, climate change will have low to moderate effects on fish stocks' development.

WATER

The probability of impacts of climate change on water scarcity and droughts is estimated as high. Moreover, climate change will have low to moderate effects on water scarcity and droughts. The probability of impacts of climate change on an increase in floods is estimated as medium. Impacts of climate change will have low to moderate effects on an increase in floods. The probability of impacts of climate change on deterioration of freshwater quality and desertification is estimated as medium to high. Climate change is expected to have low to moderate effects on deterioration of freshwater quality and desertification.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level rise is estimated as high. It is considered that these impacts of climate change on sea level rise will have important effects. The probability of impacts of climate change on extreme weather events is estimated as medium to high. It is considered that these impacts of climate change on extreme weather events will have minimal effects. The probability of impacts of climate change on fisheries' growth is estimated as medium. It is considered that these impacts of climate change on fisheries' growth will have low to moderate effects. The probability of impacts of climate change on coastal erosion is estimated as high. It is considered that these impacts of climate change on coastal erosion will have low to moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on the possibility of energy infrastructure development and increase in energy demand is estimated as high. It is considered that these impacts of climate change on the possibility of energy infrastructure development and increase in energy demand will have important effects. The probability of impacts of climate change on a risk of banking system collapse is estimated as low to medium. It is considered that these impacts of climate change on a risk of banking system collapse will have moderate effects. The probability of impacts of climate change on risk of insurance system collapse and the transport/communications infrastructure development, is estimated as medium to high. It is considered though, that these impacts of climate change on a collapse for the insurance system and transport/communications infrastructure development will have moderate effects. The probability of impacts of climate change on harbours' infrastructure development is estimated as low to medium. It is considered that these impacts of climate change on will have low to moderate effects.

The probability of impacts of climate change on food production systems' development is estimated medium to high with low to moderate effects and Telecommunication systems' development of medium to high possibility with moderate effects to social - economic situation of the country. At the same time, the probability of impacts of climate change on tourism growth is estimated as high. It is considered that these impacts of climate change on tourism growth will have important effects.

1.1.8 FRANCE (South Europe report)

HEALTH

The probability of impacts of climate change on rise in air pollution and increase of patients is estimated as high. It is considered that these impacts of climate change on rise in air pollution and increase of patients will have important effects.

SOCIAL POLICIES

The probability of impacts of climate change on an increase in migration is estimated as low. It is considered that these impacts of climate change on an increase in migration will have only insignificant effects. The probability of impacts of climate change on tourism's growth is estimated as medium to high. It is considered that these impacts of climate change on tourism's growth will have important effects. The probability of impacts of climate change on social inequality and vulnerability of the population is estimated as low. It is considered that these impacts of climate change on social inequality and vulnerability of the population will have insignificant effects.

AGRICULTURE

The probability of impacts of climate change on a reduction of crop productivity, soil degradation (due to unsustainable uses of land) as well as irrigation problems is estimated as high. It is considered that these impacts of climate change on a reduction of crop productivity (due to heat stress), soil degradation (due to unsustainable uses of land) as well as irrigation problems will have moderate effects. The probability of impacts of climate change on an increase in flood risk is estimated as medium to high. It is considered that these impacts of climate change on an increase in flood risk will have low to moderate effects.

FORESTS

The probability of impacts of climate change on flood risk and loss of forest land is estimated as high. It is considered that these impacts of climate change on sea level rise will have moderate effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion, loss of habitats and soil erosion is estimated as medium to high. It is considered that these impacts of climate change on depletion, loss of habitats and soil erosion will have moderate effects. As far as the urban environment is concerned, the probability of climate change impacts is estimated high with important effects.

BIODIVERSITY

The probability of impacts of climate change on species extinction, changes in species distribution and niche limitations is estimated as high. It is considered that these impacts of climate change on species extinction, changes in species distribution and niche limitations will have important effects. The probability of impacts of climate change on fishstocks' growth is estimated as medium. It is considered that these impacts of climate change on fishstocks' growth will have low to moderate effects.

WATER

The probability of impacts of climate change on water scarcity, deterioration of freshwater quality, rise in flood risk, is estimated as medium to high. It is considered that these impacts of climate change on water scarcity, deterioration of freshwater quality, rise in flood risk will have moderate effects. The probability of impacts of climate change on droughts and desertification is estimated as high probability. It is considered that these impacts of climate change on droughts and desertification will have low to moderate effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level rise is estimated as high. It is considered that these impacts of climate change on sea level rise will have important effects. The probability of impacts of climate change on extreme weather events is estimated as medium. It is considered that these impacts of climate change on extreme weather events will have minor effects. The probability of impacts of climate change on fisheries' growth is estimated as medium. It is considered that these impacts of climate change on fisheries' growth will have low to moderate effects. The probability of impacts of climate change on coastal erosion is estimated as high. It is considered that these impacts of climate change on coastal erosion will have low to moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on the energy infrastructure and the increase in the energy demand is estimated as high. It is considered that these impacts of climate change on the energy infrastructure and the increase in the energy demand will have important effects. The probability of impacts of climate change on the development of food production system infrastructure is estimated as low. It is considered that these impacts of climate change on the development of food production system infrastructure will have insignificant effects. The probability of impacts of climate change on telecommunication infrastructure is estimated as medium to high. It is considered that these impacts of climate change on the development in telecommunication systems' infrastructure will have moderate effects. Finally, the probability of impacts of climate change on harbour, airport, transport and communication's infrastructure development, the risk of a banking system collapse as well as the risk of a collapse of the insurance system is estimated as medium to high. It is considered that these impacts of climate change on harbour, airport, transport and communication's infrastructure development, the risk of a banking system collapse as well as the risk of a collapse of the insurance system will have moderate effects.

1.1.9 GREECE

HEALTH

The probability of impacts of climate change on air pollution raise and increase of patients is estimated as medium to high. It is considered that these impacts of climate change on air pollution raise and increase of patients will have moderate effects.

SOCIAL POLICIES

In Greece, the probability of impacts of climate change on rise of migration is estimated as low to medium. It is considered that these impacts of climate change on rise of migration will have insignificant effects. The probability of impacts of climate change on tourism sector

is estimated as medium to high. It is considered that these impacts of climate change on tourism sector will have moderate effects. The probability of impacts of climate change on an increase in social inequality and vulnerability of the population is estimated as medium. It is considered that these impacts of climate change on an increase in social inequality and vulnerability of the population will have low to moderate effects.

AGRICULTURE

The probability of impacts of climate change on a reduction of crop productivity, soil degradation, irrigation problems and increase in flood risk is estimated as medium. It is considered that these impacts of climate change on a reduction of crop productivity (due to heat stress), soil degradation (due to unsustainable uses of land), irrigation problems and increase of flood risk will have low to moderate effects.

FORESTS

The probability of impacts of climate change on flooding and loss of forest land is estimated as medium. It is considered that these impacts of climate change on flooding and loss of forest land will have low to moderate effects.

ECOSYSTEMS

The probability of impacts of climate change on increase in depletion, loss of habitats, soil erosion is estimated as medium. It is considered that these impacts of climate change on increase in depletion, loss of habitats, soil erosion will have low to moderate effects.

BIODIVERSITY

The probability of impacts of climate change on species extinction, changes in species distribution, fishstocks and niche limitations is estimated as medium. It is considered that these impacts of climate change on species extinction, changes in species distribution, fishstocks and niche limitations will have low to moderate effects.

WATER

The probability of impacts of climate change on water scarcity, droughts, deterioration of freshwater quality, desertification, flooding is estimated as medium to high. It is considered that these impacts of climate change on water scarcity, droughts, deterioration of freshwater quality, desertification, flooding will have moderate effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on extreme weather events and coastal erosion is estimated as medium to high. It is considered that these impacts of climate change on extreme weather events and coastal erosion will have moderate effects. The probability of impacts of climate change on sea level rise and fisheries is estimated as medium. It is considered that these impacts of climate change on sea level rise and fisheries will have low to moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on energy demand and growth of energy infrastructure is estimated as high. It is considered that these impacts of climate change on

energy demand and growth of energy infrastructure will have important effects. The probability of impacts of climate change on sea level rise food production and telecommunication development, transport infrastructure or the banking system is estimated as medium. It is considered that these impacts of climate change on sea level rise food production and telecommunication system development, transport infrastructure improvements or banking system collapses (due to prolonged power failure) will have low to moderate effects. The probability of impacts of climate change on harbour and airport infrastructure improvement or development is estimated as medium to high. It is considered that these impacts of climate change on harbour and airport infrastructure improvement or development will have moderate effects. The probability of impacts of climate change on a collapse of the insurance system is estimated as low to medium. It is considered that these impacts of climate change on a collapse of the insurance system (in case of extreme damages) will have insignificant effects.

1.1.10 HUNGARY

HEALTH

The probability of impacts of climate change on increase of patients and rise in air pollution is estimated as medium. It is considered that these impacts of climate change on increase of patients and rise in air pollution rise will have low to moderate effects.

SOCIAL POLICIES

The probability of impacts of climate change on tourism growth is estimated as medium to high. It is considered that these impacts of climate change on tourism growth will have moderate effects. The probability of impacts of climate change on social inequality and vulnerability of the population is estimated as low to medium. It is considered that these impacts of climate change on social inequality and vulnerability of the population will have only insignificant effects.

AGRICULTURE

The probability of impacts of climate change on reduction of crop productivity (due to heat stress) is estimated as medium. It is considered that these impacts of climate change reduction of crop productivity (due to heat stress) rise will have important effects. The probability of impacts of climate change on flood risk is estimated as high. It is considered that these impacts of climate change on flood risk will have important effects. The probability of impacts of climate change on soil degradation is estimated as medium to high. It is considered that these impacts of climate change on soil degradation will have moderate effects.

FORESTS

The probability of impacts of climate change on flooding (forests sector) is estimated as medium to high. It is considered that these impacts of climate change forests sector rise will have low effects. The probability of impacts of climate change on loss of forest land is estimated as low to medium. It is considered that these impacts of climate change forests sector rise will have insignificant effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion/loss of habitats is estimated as medium. It is considered that these impacts of climate change on depletion/loss of habitats will have insignificant effects. The probability of impacts of climate change on soil erosion is estimated as medium to high. It is considered that these impacts of climate change on soil erosion will have important effects.

BIODIVERSITY

The probability of impacts of climate change on species extinction and niche limitations is estimated as medium. It is considered that these impacts of climate change on species extinction and niche limitations will have insignificant effects. Moreover, the probability of impacts of climate change on changes in species distribution is estimated as low to medium, whereas these impacts of climate change on changes in species distribution will have insignificant effects.

WATER

The probability of impacts of climate change on flooding and desertification is estimated as high. It is considered that these impacts of climate change on flooding and desertification will have important effects. The probability of impacts of climate change on deterioration of freshwater quality (salinity/pollution) and water scarcity is estimated as high. It is considered that these impacts of climate change on deterioration of freshwater quality (salinity/pollution) and water scarcity will have important effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on the telecommunication systems' development, the energy infrastructure development and the food production systems' growth rise is estimated as medium. It is considered that these impacts of climate change on the telecommunication systems' development, the energy infrastructure development and the food production systems' growth will have low to moderate effects. The probability of impacts of climate change on the increase in energy demand is estimated as low to medium. It is considered that these impacts of climate change on the increase in energy demand will have low to moderate effects. The probability of impacts of climate change on a collapse of the insurance system is estimated as medium to high. It is considered that these impacts of climate change on a collapse of the insurance system (in case of extreme damages) will have low level effects. The probability of impacts of climate change on a banking system collapse is estimated as low to medium. It is considered that these impacts of climate change on a banking system collapse (due to prolonged power failure) will have low level effects as well. Finally, the probability of impacts of climate change on transport/communications infrastructure is estimated as medium to high. It is considered that these impacts of climate change on transport/communications infrastructure will have low to moderate effects.

1.1.11 ITALY (North Europe report)

HEALTH

The probability of impacts of climate change on rise in air pollution and increase of patients is estimated as medium to high. It is considered that these impacts of climate change on rise in air pollution and increase of patients will have low to moderate effects.

SOCIAL POLICIES

The probability of impacts of climate change on increase in migration, tourism's growth and social inequality and vulnerability of the population increase is estimated as medium. It is considered that these impacts of climate change on increase in migration, tourism's growth and social inequality and vulnerability of the population increase will have low to moderate effects.

AGRICULTURE

The probability of impacts of climate change on reduction of crop productivity and increase in flood risk is estimated as medium. It is considered that these impacts of climate change on reduction of crop productivity (due to heat stress) and increase in flood risk will have moderate effects. The probability of impacts of climate change on irrigation problems is estimated as medium. It is considered that these impacts of climate change on irrigation problems will have low to moderate effects. The probability of impacts of climate change on soil degradation is estimated as medium. It is considered that these impacts of climate change on soil degradation (due to unsustainable uses of land) will have low to moderate effects as well.

FORESTS

The probability of impacts of climate change on rise in flood risk is estimated as medium. It is considered that these impacts of climate change on rise in flood risk will have low to moderate effects. The probability of impacts of climate change on loss of forest land is estimated as low to medium. It is considered that these impacts of climate change on loss of forest land will have low to moderate effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion or loss of habitats and soil erosion is estimated as medium. It is considered that these impacts of climate change on depletion or loss of habitats and soil erosion will have moderate effects.

BIODIVERSITY

The probability of impacts of climate change on niche limitations, changes in species distribution and species extinction is estimated as medium. It is considered that these impacts of climate change on niche limitations, changes in species distribution and species extinction will have moderate effects. The probability of impacts of climate change on fishstocks is estimated as medium. It is considered that these impacts of climate change on fishstocks' growth will have low to moderate effects as well.

WATER

The probability of impacts of climate change on water scarcity and deterioration of freshwater quality is estimated as medium. It is considered that these impacts of climate change on water scarcity and deterioration of freshwater quality will have moderate effects. The probability of impacts of climate change on rise in flood risk and desertification is estimated as medium to high. It is considered that these impacts of climate change on rise in flood risk and desertification will have moderate effects. Moreover, the probability of

impacts of climate change on droughts is estimated as medium. It is considered that these impacts of climate change on droughts will have low to moderate effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level rise and coastal erosion is estimated as medium to high. It is considered that these impacts of climate change on sea level rise and coastal erosion will have low to moderate effects. The probability of impacts of climate change on extreme weather events is estimated as medium to high. It is considered that these impacts of climate change on extreme weather events will have moderate effects. The probability of impacts of climate change on fishery is estimated as medium. It is considered that these impacts of climate change on fisheries' growth will have low to moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on energy infrastructure development and energy demand is estimated as medium to high. It is considered that these impacts of climate change on energy infrastructure development and energy demand will have moderate effects. The probability of impacts of climate change on a banking system collapse, harbours' infrastructure development, telecommunication systems development, risk of collapse for the insurance system, food production systems development as well as transport/communications infrastructure development is estimated as medium. It is considered that these impacts of climate change on a banking system collapse, harbours' infrastructure development, telecommunication systems development, risk of collapse for the insurance system, food production systems development as well as transport/communications infrastructure development will have low to moderate effects.

1.1.12 ITALY (South Europe report)

HEALTH

In sector of health, medium possibility of rise in air pollution and increase of patients has been estimated, with low to moderate effects, to both the environment and social - economic situation of the country.

SOCIAL POLICIES

In Italy, the probability of impacts of climate change on increase in migration is estimated as medium. It is considered that these impacts of climate change on increase in migration will have low to moderate effects. The probability of impacts of climate change on tourism is estimated as medium. It is considered that these impacts of climate change on tourism's growth will have low level effects. The probability of impacts of climate change on increase in social inequality and vulnerability of the population is estimated as low. It is considered that these impacts of climate change on increase in social inequality and vulnerability of the population will have low to moderate effects.

AGRICULTURE

The probability of impacts of climate change on reduction of crop productivity (due to heat stress), soil degradation (due to unsustainable uses of land) and irrigation problems is estimated as medium. It is considered that these impacts of climate change on reduction of

crop productivity (due to heat stress), soil degradation (due to unsustainable uses of land) and irrigation problems will have low to moderate effects. The probability of impacts of climate change on flood risk is estimated as medium to high. It is considered that these impacts of climate change on flood risk will have moderate effects.

FORESTS

The probability of impacts of climate change on rise in flood risk and loss of forest land is estimated as medium. It is considered that these impacts of climate change on rise in flood risk and loss of forest land will have low to moderate effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion, loss of habitats and urban environment is estimated as medium. It is considered that these impacts of climate change on depletion, loss of habitats and urban environment will have low to moderate effects. The probability of impacts of climate change on soil erosion is estimated as low. It is considered that these impacts of climate change on soil erosion will have low to moderate effects.

BIODIVERSITY

The probability of impacts of climate change on species extinction, changes in species distribution, fish stocks' growth and niche limitations is estimated as medium. It is considered that these impacts of climate change on species extinction, changes in species distribution, fish stocks' growth and niche limitations will have low to moderate effects.

WATER

The probability of impacts of climate change on droughts, desertification and flooding is estimated as medium. It is considered that these impacts of climate change on droughts, desertification and flooding will have low to moderate effects. The probability of impacts of climate change on water scarcity and deterioration of freshwater quality is estimated as high. It is considered that these impacts of climate change on water scarcity and deterioration of freshwater quality will have low to moderate effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level is estimated as medium. It is considered that these impacts of climate change on sea level will have minor effects. The probability of impacts of climate change on extreme weather events is estimated as high. It is considered that these impacts of climate change on extreme weather events will have low to moderate effects. The probability of impacts of climate change on fishery is estimated as medium. It is considered that these impacts of climate change on fisheries' growth will have low to moderate effects. The probability of impacts of climate change on coastal erosion is estimated as high. It is considered that these impacts of climate change on coastal erosion will have important effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on increase in energy demand is estimated as high. It is considered that these impacts of climate change on increase in energy demand will have important effects. The probability of impacts of climate change on energy

infrastructure's improvement or development is estimated as medium. It is considered that these impacts of climate change on energy infrastructure's improvement or development will have low to moderate effects. The probability of impacts of climate change on telecommunication systems' infrastructure (due to prolonged power failure) is estimated as low. It is considered that these impacts of climate change on telecommunication systems' infrastructure (due to prolonged power failure) will have low to moderate effects. The probability of impacts of climate change on harbours' and airports' infrastructure improvement or development, risk of banking system collapse, development of food production systems and energy's infrastructure, risk of collapse for the insurance system transport / communication infrastructure is estimated as medium. It is considered that these impacts of climate change on harbours' and airports' infrastructure improvement or development, risk of banking system collapse, development of food production systems and energy's infrastructure, risk of collapse for the insurance system transport / communication infrastructure will have low to moderate effects.

1.1.13 LATVIA

HEALTH

This sector is considered of low priority (level of significance - depends on how important the effects of CC are).

SOCIAL POLICIES

This sector is regarded as low priority.

AGRICULTURE

This sector is regarded as low priority.

FORESTS

This sector is regarded as low priority.

ECOSYSTEMS

This sector is regarded as low priority.

BIODIVERSITY

This sector is regarded as low priority.

WATER

This sector is regarded as high priority with an exception of sub – sector flooding increase which is regarded as medium priority.

COASTAL AND MARITIME AREAS

In this sector, coastal erosion is regarded as high priority, while sub-sector of extreme weather events and sea level rise are regarded as medium priority and fisheries' development of low priority.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

This sector is regarded as low priority.

1.1.14 LITHUANIA

HEALTH

The probability of impacts of climate change on increase of patients is estimated as medium. It is considered that these impacts of climate change on an increase of patients will have low to moderate effects. The probability of impacts of climate change on a rise in air pollution is estimated as low. It is considered that these impacts of climate change on a rise in air pollution will have minor effects.

SOCIAL POLICIES

This sector is regarded as low priority (level of significance - depends on how important the effects of CC are).

AGRICULTURE

This sector is regarded as medium priority with an exception of sub-sector “reduction of crop productivity due to heat stress” which is regarded as high priority.

FORESTS

The probability of impacts of climate change on a rise of flood risk is estimated as medium. It is considered that these impacts of climate change on a rise of flood risk will have low to moderate level effects. The probability of impacts of climate change on a loss of forest land is considered of medium priority. It is considered that these impacts of climate change on a loss of forest land will have low to moderate level effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion/loss of habitats and on soil erosion is estimated as medium. At the same time, it is considered that these impacts of climate change on depletion /loss of habitats and on soil erosion will have low to moderate level effects.

BIODIVERSITY

The probability of impacts of climate change on niche limitations and on changes in species distribution is estimated as medium. At the same time, it is considered that these impacts of climate change on both niche limitations and changes in species distribution will have low to moderate level effects as well. Finally, the probability of impacts of climate change on species extinction is estimated as high, whereas it is considered that these impacts of climate change on species extinction will have important effects.

WATER

The probability of impacts of climate change on water scarcity, droughts, desertification, flooding and deterioration of freshwater quality, is estimated as medium. At the same time, it is considered that these impacts of climate change on water scarcity, droughts, desertification, flooding and deterioration of freshwater quality will have low to moderate level effects as well.

COASTAL AND MARITIME AREAS

In this sector “Coastal erosion” is regarded as high priority while “Sea level rise” and “Extreme weather events” are regarded as medium priority and “Fisheries’ development” of low priority.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

This sector is regarded as medium priority with an exception of “Energy infrastructure” and “Food production systems” which are regarded as low priority.

1.1.15 MALTA

HEALTH

This sector is regarded as medium priority (level of significance - depends on how important the effects of CC are).

SOCIAL POLICIES

In this sector, increase in migration and tourism are regarded as low priority events, while increase in social inequality and vulnerability of the population as medium.

AGRICULTURE

The reduction of crop productivity due to heat stress as well as soil degradation due to unsustainable uses of land and irrigation problems are regarded as events of medium probability.

FORESTS

Flooding and loss of forest land in Malta are regarded as events of medium priority.

ECOSYSTEMS

Depletion and loss of habitats are regarded as medium priority events while soil erosion as low.

BIODIVERSITY

Species extinction, changes in species distribution (species migration) and fish stocks’ growth in Malta, are regarded as medium priority events.

WATER

Water scarcity and deterioration of freshwater quality (salinity/pollution) are regarded as high priority events while droughts, desertification (loss of groundwater reserves) and flooding are regarded as medium.

COASTAL AND MARITIME AREAS

Extreme weather events and coastal erosion are regarded as high priority events while sea level rise is regarded as low and fisheries’ growth as medium.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

Increase in energy demand in Malta is regarded as high priority event, while energy infrastructure development, telecommunication systems’ development, transport / communications infrastructure development, risk of collapse for the insurance system in

case of extreme damages, risk of banking system collapse (due to prolonged power failure) are regarded as medium priority events.

1.1.16 PORTUGAL

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

This sector is regarded as low priority (level of significance - depends on how important the effects of CC are).

1.1.17 ROMANIA

HEALTH

The probability of impacts of climate change on increase of patients is estimated as medium to high. It is considered that these impacts of climate change on increase of patients will have low to moderate level effects. The probability of impacts of climate change on a rise of air pollution is estimated as medium. It is considered that these impacts of climate change on a rise of air pollution will have low to moderate level effects as well.

SOCIAL POLICIES

The probability of impacts of climate change on tourism growth is estimated as high. It is considered that these impacts of climate change on tourism growth will have moderate level effects. The probability of impacts of climate change on social inequality and vulnerability of the population and migration increase is estimated as medium. It is considered that these impacts of climate change on social inequality and vulnerability of the population and migration increase will have low to moderate level effects.

AGRICULTURE

The probability of impacts of climate change on reduction of crop productivity is estimated as low to medium. It is considered that these impacts of climate change on reduction of crop productivity (due to heat stress) will have low to moderate level effects. The probability of impacts of climate change on irrigation is estimated as medium to high. It is considered that these impacts of climate change on irrigation problems will have important level effects. The probability of impacts of climate change on flooding is estimated as high. It is considered that these impacts of climate change on flood risk will have important effects.

FORESTS

The probability of impacts of climate change on flooding is estimated as medium to high. It is considered that these impacts of climate change on flooding will have low to moderate effects. The probability of impacts of climate change on loss of forest land is estimated as medium. It is considered that these impacts of climate change on loss of forest land will have low to moderate level effects as well.

ECOSYSTEMS

The probability of impacts of climate change on depletion/loss of habitats is estimated as medium. It is considered that these impacts of climate change on depletion/loss of habitats will have low to moderate level effects. The probability of impacts of climate change on soil erosion is estimated as medium to high. It is considered that these impacts of climate change on soil erosion will have important level effects.

BIODIVERSITY

The probability of impacts of climate change on species extinction and niche limitations is estimated as medium. It is considered that these impacts of climate change on species extinction and niche limitations will have low level effects. The probability of impacts of climate change on changes in species distribution is estimated as low to medium. It is considered that these impacts of climate change on changes in species distribution will have low level effects. Finally, the probability of impacts of climate change on fish stocks is estimated as medium. It is considered that these impacts of climate change on fish stocks' development will have low to moderate level effects.

WATER

The probability of impacts of climate change on water scarcity and flooding is estimated as high. It is considered that these impacts of climate change on water scarcity and flooding will have moderate effects. The probability of impacts of climate change on desertification and deterioration of freshwater quality is estimated as medium to high. It is considered that these impacts of climate change on desertification and deterioration of freshwater quality will have moderate level effects. Finally, the probability of impacts of climate change on droughts is estimated as high, whereas these impacts of climate change on droughts will have important effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level rise and fisheries is estimated as medium. It is considered that these impacts of climate change on sea level rise and fisheries will have low to moderate effects. The probability of impacts of climate change on extreme weather events is estimated as medium to high. It is considered that these impacts of climate change on extreme weather events will have moderate level effects. The probability of impacts of climate change on coastal erosion is estimated as high. It is considered that these impacts of climate change on coastal erosion will have moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on telecommunication systems' development, the risk of collapse of the insurance system and the food production systems' development is estimated as medium. It is considered that these impacts of climate change on telecommunication systems' development, the risk of collapse of the insurance system and the food production systems' development will have moderate effects. The probability of impacts of climate change on increase in energy demand is estimated as medium. It is considered that these impacts of climate change on increase in energy demand will have low to moderate effects. The probability of impacts of climate change on transport and communication and harbour infrastructure development is estimated as medium to high. It is considered that these impacts of climate change on transport and communication and harbour infrastructure development will have moderate level effects. Finally, the probability of impacts of climate change on the risk of banking system collapses (due to prolonged power failure) is estimated as low to medium. It is considered that these impacts of climate change on the risk of banking system collapses (due to prolonged power failure) will have low to moderate level effects.

1.1.18 SLOVAKIA

HEALTH

The probability of impacts of climate change on increase of patients is estimated as medium. It is considered that these impacts of climate change on increase of patients will have low to moderate level effects. The probability of impacts of climate change on rise in air pollution is estimated as low to medium. It is considered that these impacts of climate change on rise in air pollution will have insignificant effects.

SOCIAL POLICIES

The probability of impacts of climate change on tourism is estimated as medium to high. It is considered that these impacts of climate change on tourism's growth will have low to moderate level effects. The probability of impacts of climate change on social inequality and vulnerability of the population increase is estimated as medium. It is considered that these impacts of climate change on social inequality and vulnerability of the population increase will have low level effects. The probability of impacts of climate change on migration increase is estimated as low to medium. It is considered that these impacts of climate change on migration increase will have minor effects.

AGRICULTURE

The probability of impacts of climate change on reduction of crop productivity is estimated as medium. It is considered that these impacts of climate change on reduction of crop productivity (due to heat stress) will have low to moderate level effects. The probability of impacts of climate change on irrigation problems and soil degradation is estimated as medium to high. It is considered that these impacts of climate change on irrigation problems and soil degradation will have low to moderate level effects. The probability of impacts of climate change on flood risk is estimated as medium to high. It is considered that these impacts of climate change on flood risk will have moderate level effects.

FORESTS

The probability of impacts of climate change on flood risk is estimated as medium to high. It is considered that these impacts of climate change on flood risk will have low to moderate level effects. Moreover, the probability of impacts of climate change on loss of forest land is estimated as medium, whereas it is considered that these impacts of climate change on loss of forest land, will have low to moderate level effects as well.

ECOSYSTEMS

The probability of impacts of climate change on depletion and loss of habitats is estimated as medium. It is considered that these impacts of climate change on depletion and loss of habitats will have low level effects. The probability of impacts of climate change on soil erosion is estimated as medium to high. It is considered that these impacts of climate change on soil erosion will have moderate level effects.

BIODIVERSITY

The probability of impacts of climate change on niche limitations and species extinction is estimated as medium. It is considered that these impacts of climate change on niche limitations and species extinction will have low level effects. The probability of impacts of

climate change on changes in species distribution is estimated as low to medium. It is considered that these impacts of climate change on changes in species distribution will have low level effects as well.

WATER

The probability of impacts of climate change on water scarcities, deterioration of freshwater quality, desertification and droughts is estimated as medium. It is considered that these impacts of climate change on water scarcities, deterioration of freshwater quality, desertification and droughts will have low to moderate level effects. The probability of impacts of climate change on rise in flood risk is estimated as medium to high. It is considered that these impacts of climate change on rise in flood risk will have low to moderate level effects as well.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on energy infrastructure development is estimated as medium to high. It is considered that these impacts of climate change on energy infrastructure development will have low to moderate level effects. The probability of impacts of climate change on food production systems and transport and communications infrastructure, is estimated as medium. It is considered that these impacts of climate change on food production systems' development and transport and communications infrastructure development will have low to moderate level effects. The probability of impacts of climate change on the telecommunication development and the risk of banking system collapse is estimated as low to medium. It is considered that these impacts of climate change on telecommunication systems' development and the risk of banking system collapse will have low to moderate level effects as well. The probability of impacts of climate change on energy demand is estimated as medium. It is considered that these impacts of climate change on energy demand will have moderate level effects. The probability of impacts of climate change on the insurance system is estimated as medium to high. It is considered that these impacts of climate change on the insurance system in case of extreme damages will have low level effects.

1.1.19 SPAIN

HEALTH

The probability of impacts of climate change on a rise in air pollution and an increase of patients is estimated as medium to high. It is considered that these impacts of climate change will have low to moderate effects on the increase of patients and moderate effects on the rise in air pollution.

SOCIAL POLICIES

The probability of impacts of climate change on increase in migration and social inequality and vulnerability of the population is estimated as low to medium. It is considered that these impacts of climate change on increase in migration and social inequality and vulnerability of the population will have low effects. The probability of impacts of climate change on tourism is estimated as medium to high. It is considered that these impacts of climate change on tourism will have low to moderate effects.

AGRICULTURE

The probability of impacts of climate change on crop productivity reduction, soil degradation, irrigation problems is estimated as high. It is considered that these impacts of climate change on crop productivity reduction (due to heat stress), soil degradation (due to unsustainable uses of land), irrigation problems will have moderate effects. The probability of impacts of climate change on flood risk is estimated as medium to high. It is considered that these impacts of climate change on flood risk will have moderate effects.

FORESTS

The probability of impacts of climate change on a rise in flood risk and loss of forest land is estimated as medium to high. It is considered that these impacts of climate change on a rise in flood risk and loss of forest land will have low to moderate effects.

ECOSYSTEMS

The probability of impacts of climate change on depletion, loss of habitats or soil erosion is estimated as medium to high. It is considered that these impacts of climate change on depletion, loss of habitats or soil erosion will have moderate effects.

BIODIVERSITY

The probability of impacts of climate change on species extinction, changes in species distribution, fish stocks and niche limitations is estimated as medium to high. It is considered that these impacts of climate change on species extinction, changes in species distribution, fish stocks and niche limitations will have moderate effects.

WATER

The probability of impacts of climate change on water scarcity, droughts, deterioration of freshwater quality, desertification, flooding is estimated as high. It is considered that these impacts of climate change on water scarcity, droughts, deterioration of freshwater quality, desertification, flooding will have important effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on sea level and coastal erosion is estimated as high. It is considered that these impacts of climate change on sea level and coastal erosion will have important effects. The probability of impacts of climate change on extreme weather events is estimated as medium. It is considered that these impacts of climate change on extreme weather events will have important effects. The probability of impacts of climate change on the fisheries' growth is estimated as medium to high. It is considered that these impacts of climate change on the fisheries' growth will have moderate effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on an increase in energy demand is estimated as high. It is considered that these impacts of climate change on an increase in energy demand will have moderate level effects. The probability of impacts of climate change on energy infrastructure development is estimated as medium. It is considered that these impacts of climate change on energy infrastructure development will have low level effects. The probability of impacts of climate change on a banking system collapse is estimated as

low to medium. It is considered that these impacts of climate change on a banking system collapse (due to prolonged power failure) will have low to moderate level effects. The probability of impacts of climate change on a collapse of the insurance system is estimated as medium to high. It is considered that these impacts of climate change on a collapse of the insurance system (in case of extreme damages) will have moderate level effects. The probability of impacts of climate change on harbour, airport, telecommunication system and transport infrastructure improvement or development is estimated as medium. It is considered that these impacts of climate change on harbour, airport, telecommunication system and transport infrastructure improvement or development will have low to moderate level effects.

1.1.20 SWEDEN

HEALTH

The probability of impacts of climate change on an increase of patients is estimated as medium. It is considered that these impacts of climate change on an increase of patients will have low to moderate level effects. The probability of impacts of climate change on rise in air pollution is estimated as low. It is considered that these impacts of climate change on an increase of patients will have insignificant effects.

SOCIAL POLICIES

The probability of impacts of climate change on tourism increase is estimated as medium. It is considered that these impacts of climate change on tourism increase will have low to moderate level effects.

AGRICULTURE

The probability of impacts of climate change on irrigation problems is estimated as medium. It is considered that these impacts of climate change on irrigation problems will have low to moderate level effects. The probability of impacts of climate change on reduction of crop productivity is estimated as high. It is considered that these impacts of climate change on reduction of crop productivity (due to heat stress) will have important effects.

FORESTS

The probability of impacts of climate change on is estimated as medium. It is considered that these impacts of climate change on flood risk will have low to moderate level effects.

ECOSYSTEMS

The probability of impacts of climate change on soil erosion is estimated as medium. It is considered that these impacts of climate change on soil erosion will have low to moderate level effects. The probability of impacts of climate change on depletion or loss of habitats is estimated as high. It is considered that these impacts of climate change on depletion or loss of habitats will have important effects.

BIODIVERSITY

The probability of impacts of climate change on biodiversity species extinction, changes in species distribution (species migration), fishstocks' development and niche limitations is estimated as high. It is considered that these impacts of climate change on biodiversity

species extinction, changes in species distribution (species migration), fishstocks' development and niche limitations will have important effects.

WATER

The probability of impacts of climate change on water scarcity, droughts, flooding and deterioration of freshwater quality is estimated as medium. It is considered that these impacts of climate change on water scarcity, droughts, flooding and deterioration of freshwater quality will have low to moderate level effects. The probability of impacts of climate change on desertification is estimated as low. It is considered that these impacts of climate change on (loss of groundwater reserves) will have insignificant effects.

COASTAL AND MARITIME AREAS

The probability of impacts of climate change on extreme weather events, coastal erosion, fisheries' development, is estimated as high. It is considered that these impacts of climate change on extreme weather events, coastal erosion, fisheries' development, will have important effects. The probability of impacts of climate change on sea level rise is estimated as medium. It is considered that these impacts of climate change on sea level rise will have low to moderate level effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on increase in energy demand, energy infrastructure, food production system, harbour and airport, infrastructure is estimated as high. It is considered that these impacts of climate change on increase in energy demand, energy infrastructure development, food production systems' growth, harbours' and airports' infrastructure development will have important effects. The probability of impacts of climate change on transport or communications infrastructure development and telecommunication systems' growth is estimated as medium. It is considered that these impacts of climate change on transport or communications infrastructure development and telecommunication systems' growth will have low to moderate level effects

1.1.21 THE CZECH REPUBLIC

HEALTH

The probability of impacts of climate change on the increase of patients is estimated as medium to high. It is considered that these impacts of climate change on increase of patients will have moderate level effects. The probability of impacts of climate change on the rise in air pollution is estimated as high. It is considered that these impacts of climate change on rise in air pollution will have low to moderate level effects.

SOCIAL POLICIES

The probability of impacts of climate change on tourism growth is estimated as medium. It is considered that these impacts of climate change on tourism growth will have low to moderate level effects. The probability of impacts of climate change on social inequality and vulnerability of the population increase is estimated as low to medium. It is considered that these impacts of climate change on social inequality and vulnerability of the population increase will have low level effects. The probability of impacts of climate change on

migration increase is estimated as medium in the Czech Republic. It is considered that these impacts of climate change on migration increase will have low level effects.

AGRICULTURE

The probability of impacts of climate change on reduction of crop productivity is estimated as medium. It is considered that these impacts of climate change on reduction of crop productivity (due to heat stress) will have moderate level effects. The probability of impacts of climate change on flood risk is estimated as high. It is considered that these impacts of climate change on flood risk will have important effects. Moreover, the probability of impacts of climate change on irrigation problems is estimated as medium to high, whereas it is considered that these impacts of climate change on flood risk will have low to moderate effects. Finally, the probability of impacts of climate change on soil degradation (due to unsustainable uses of land) is estimated as medium and it is considered that these impacts of climate change on soil degradation will have low to moderate level effects.

FORESTS

The probability of impacts of climate change on increase in flood risk and loss of forest land is estimated as low to medium. It is considered that these impacts of climate change on increase in flood risk and loss of forest land will have low to moderate level effects.

ECOSYSTEMS

The probability of impacts of climate change on the depletion or loss of habitats is estimated as medium. It is considered that these impacts of climate change on the depletion or loss of habitats will have low to moderate level effects. Moreover, the probability of impacts of climate change on soil erosion is estimated as medium and it is considered that these impacts of climate change on soil erosion will have important effects.

BIODIVERSITY

The probability of impacts of climate change on niche limitations, species extinction and changes in species distribution is estimated as medium. It is considered that these impacts of climate change on niche limitations, species extinction and changes in species distribution will have low to moderate level effects.

WATER

The probability of impacts of climate change on water scarcity and desertification is estimated as medium. It is considered that these impacts of climate change on water scarcity and desertification will have important effects. The probability of impacts of climate change on increases in droughts is estimated as medium. It is considered that these impacts of climate change on increases in droughts will have low to moderate level effects. The probability of impacts of climate change on freshwater quality (salinity/pollution) is estimated as medium to high. It is considered that these impacts of climate change on freshwater quality (salinity/pollution) will have important effects.

PRODUCTION SYSTEMS AND PHYSICAL INFRASTRUCTURE

The probability of impacts of climate change on possibility of energy infrastructure development, food production systems' development and telecommunication systems'

growth is estimated as medium. It is considered that these impacts of climate change on possibility of energy infrastructure development, food production systems' development and telecommunication systems' growth will have low to moderate level effects. The probability of impacts of climate change on transport and communications infrastructure development, as well as the risk of collapses of the insurance system is estimated as medium to high. It is considered that these impacts of climate change on transport and communications infrastructure development as well as the risk of collapses of the insurance system (in case of extreme damages) will have low to moderate level effects. The probability of impacts of climate change on banking system is estimated as low to medium. It is considered that these impacts of climate change on banking system collapses will have low to moderate level effects. The probability of impacts of climate change on the increase in energy demand is estimated as medium. It is considered that these impacts of climate change on the increase in energy demand will have moderate level effects.