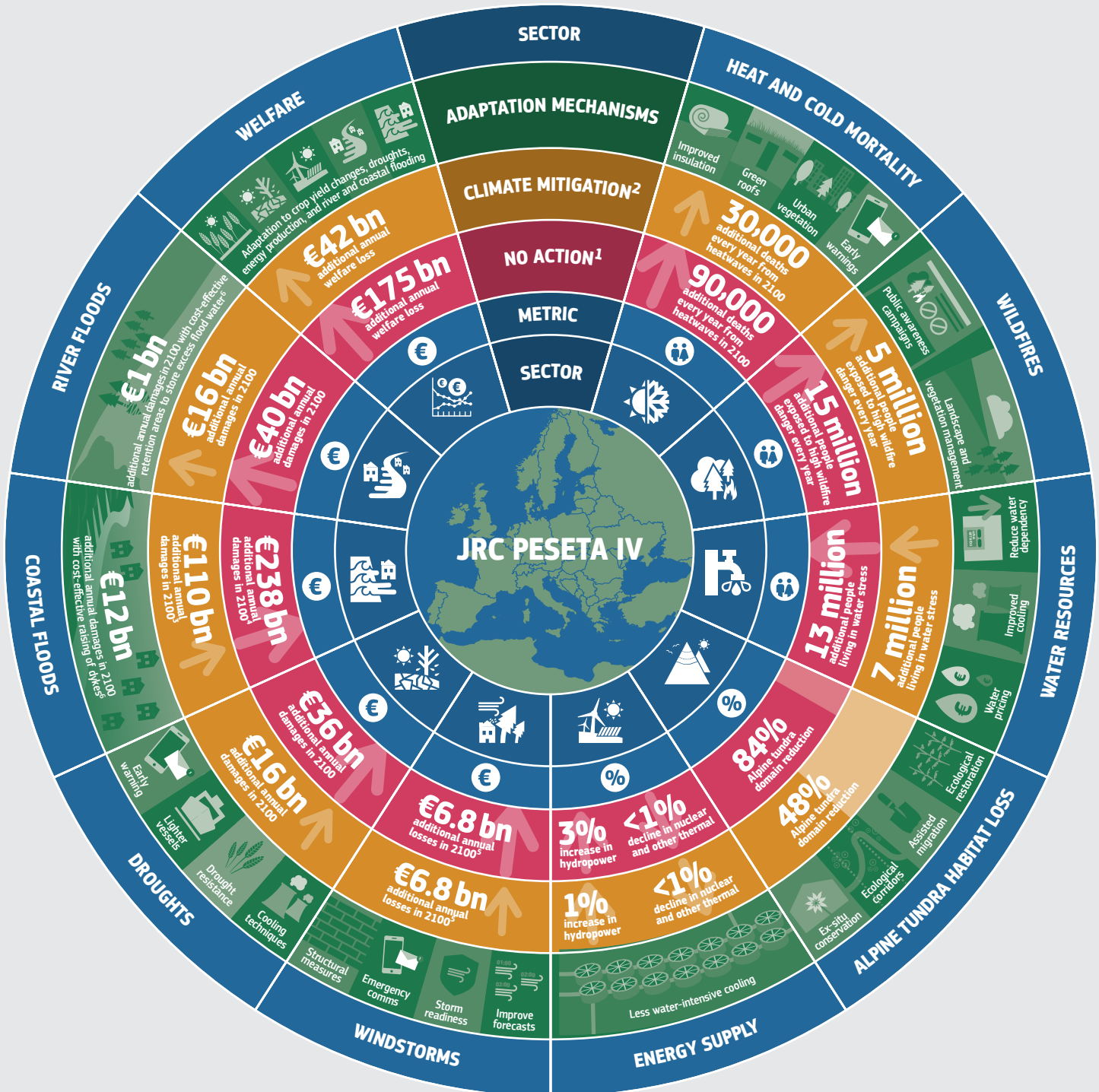


JRC PESETA IV study: climate change impacts and adaptation in Europe

Climate mitigation can considerably lower the impacts of future climate change in Europe. But not all the impacts will be avoided by mitigation. Adaptation can further reduce climate change impacts in a cost-efficient way.



NO ACTION 3°C¹
CLIMATE MITIGATION 1.5°C²
ADAPTATION MECHANISMS

¹ Impacts under a 3°C global warming scenario (relative to pre-industrial) unless otherwise stated. Assumes the population and economy does not change from present, unless a particular year is specified (e.g. 2100). Impacts are estimated in additional terms, i.e. relative to the effects of climate on nowadays. Impacts are for Europe. ² Impacts under a 1.5°C global warming scenario (relative to pre-industrial) unless otherwise stated. Assumes the population and economy does not change from present, unless a particular year is specified (e.g. 2100). Impacts are estimated in additional terms, i.e. relative to the effects of climate on nowadays. Impacts are for Europe. ³ Impacts are for a moderate mitigation emissions scenario in 2100 (RCP4.5). ⁴ Impacts are for a high emissions scenario in 2100 (RCP8.5). ⁵ Damages are largely due to increasing future asset values, as windstorm intensity and frequency do not change significantly. ⁶ Combined with mitigation.