



European
Commission

JRC PORTFOLIO 26

UNDERSTANDING AND ACTING ON FUTURE RISKS AND OPPORTUNITIES

Managing risks is an inherently scientific and political activity that can often lead to difficult trade-offs. The better the assessment of the risks to be managed, the easier this task becomes. Climate change and extreme events are perceived as the biggest risk by individuals and businesses and tackling them is the first priority of the European Green Deal. Other risks, such as those arising from the current geopolitical reality, have challenged the EU with their broad socio-economic impacts. Dealing with existential known, emerging, and future risks requires a broad understanding of complex systems linking society, the economy, the environment, technology, resources and (geo)politics. This effort will also make it possible to identify and exploit any opportunities that may arise.



The portfolio aims to:

Anticipate and reduce potential future risks, provide forward-looking analysis and policy support, and analyse the emergence of disruptive events

Increase the understanding and modelling of the evolving and emerging risk and opportunity landscape with plausible scenarios for systemic impacts

Explore opportunities and trigger actions regarding disaster risk reduction, climate change resilience and adaptation, biodiversity loss and environment degradation, as well as financial stability

Delivering on anticipation, integration and impact of EU policies:

- ▶ developing plausible scenarios on how complex global risks can affect the EU through cascading chains of vulnerabilities, feedback and shocks, and what losses are at stake if risks occur,
- ▶ developing tools, data and methodologies to serve risk owners at multilateral, supra-national, national, regional and city levels,
- ▶ providing national, regional and local authorities with knowledge, data and tools to help them act on resilience-building, risk reduction and climate change adaptation thus supporting enhanced EU cooperation.

Time frame:

The target horizon for this portfolio covers both **medium-** and **long-term activities**. Climate analyses on future scenarios usually have a multi-decade horizon, although there is a growing interest in the next 5 to 10 years, thanks to the progress on seasonal-to-decadal climate predictions. Financial analyses cover the medium-term (3 to 5 years), while economic analyses are usually performed for up to the next 10 years.

Main partners:

Partner DGs

AGRI, CLIMA, DEFIS, ECFIN, ECHO, EEAS, EMPL, ENER, ENV, FISMA, FPI, GROW, HERA, HOME, INTPA, MOVE, REGIO, RTD, SG

Selected stakeholders

ECB, EEA, EFSA, EIOPA, FAO, OECD, UNCCD, WMO, World Bank



Find out more



UNDERSTANDING AND ACTING ON FUTURE RISKS AND OPPORTUNITIES

<https://joint-research-centre.ec.europa.eu/jrc-research-portfolios/risks-and-opportunities-future>

Science for policy
Joint Research Centre
joint-research-centre.ec.europa.eu

The Joint Research Centre provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

@EU_ScienceHub
 @EU_ScienceHub
 @EU_Science

EU Science, Research and Innovation
 EU Science Hub - Joint Research Centre

PRINT
PDF

ISBN 978-92-76-99515-9
ISBN 978-92-76-99514-2

doi:10.2760/39849
doi:10.2760/500702

KJ-04-23-226-EN-C
KJ-04-23-226-EN-N