





Food and Agriculture Organization
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Why climate change matters?

Climate change threatens sustainable development

3-4 September 2019

SDG Consultation, Budapest

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Major findings

- Climate change (CC) is already affecting people, ecosystems and livelihoods around the world, seriously impeding progress towards some SDGs
- High-level political commitment to the SDGs is falling short of historic promises
- Trends on climate action (SDG 13) are alarming
- Limiting global warming to 2°C creates a trade-off for some SDGs and balancing the goals will be a challenge
- Climate-resilient development is contingent upon equity at its core



Climate action and sustainable development are interlinked

Paris Agreement and the 2030 Agenda



Paris Agreement and NDCs

- September 2015
- Requires parties to embed climate action “in the context of sustainable development and efforts to eradicate poverty”
- Acknowledges the “fundamental priority of safeguarding food security and ending hunger”
- Bottom up process
- 184 NDCs submitted to date

2030 Agenda and SDGs

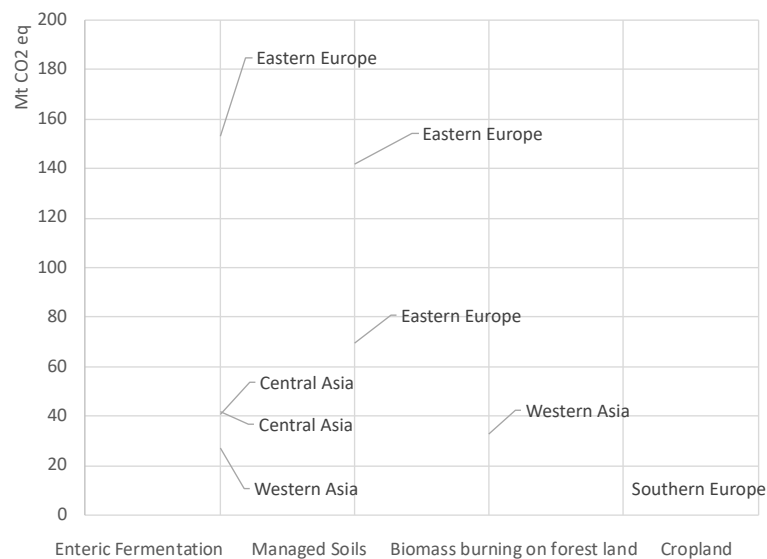
- December 2015
- Mainstreams CC across all 17 SDGs
- SDG 13 “Climate Action”
- Refers to UNFCCC as forum for negotiating global response to CC
- 17 global goals and 169 targets defined by inclusive process
- Localization into national and subnational plans in 193 countries



Agriculture and land use in the NDCs

Global analysis

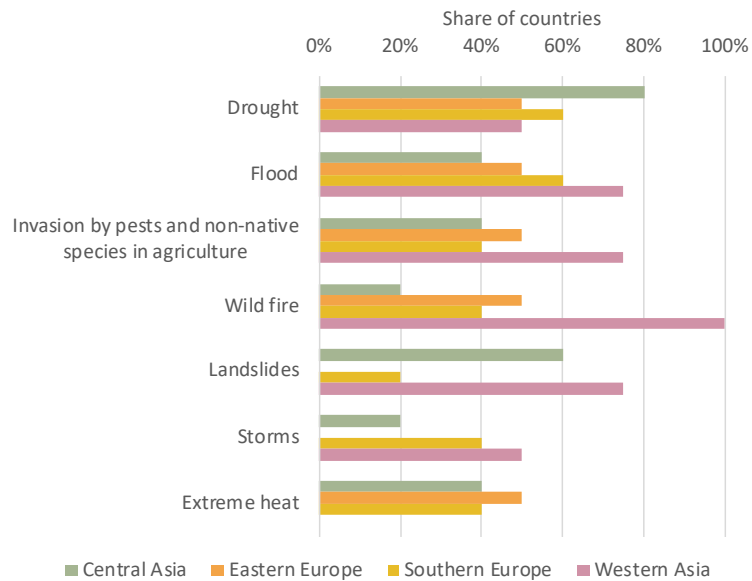
GHG hotspots in Europe and Central Asia



Source: National GHG Inventories

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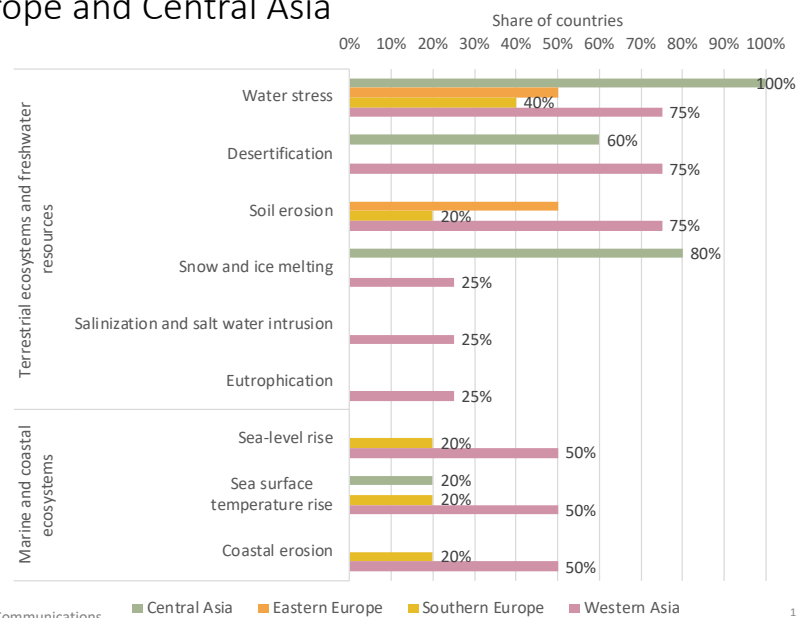
Climate-related hazards reported in Europe and Central Asia



Source: National Communications

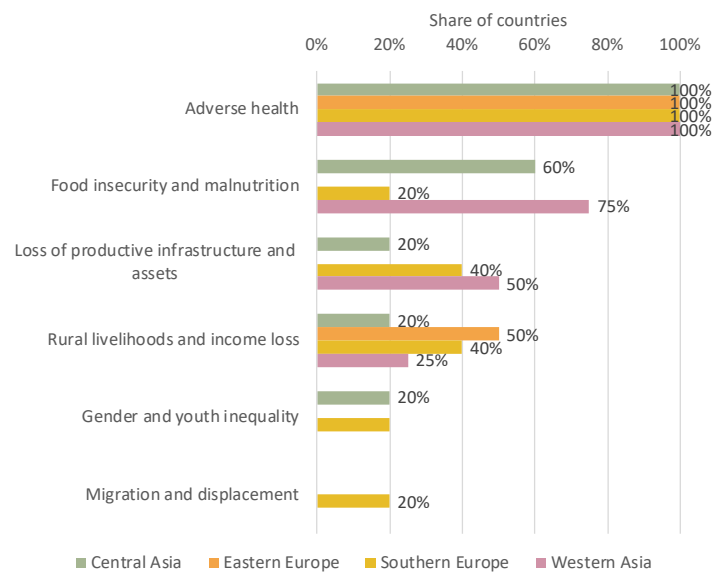
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Climate-related slow onset events reported in Europe and Central Asia



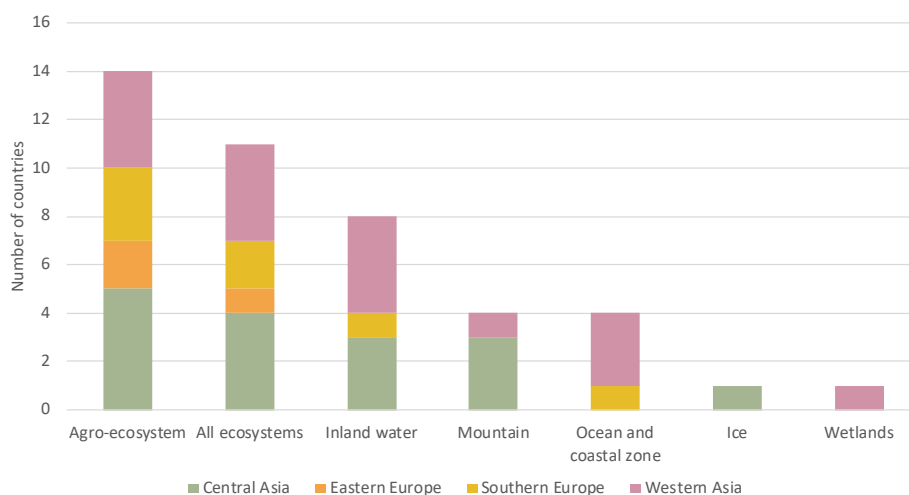
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Climate-related risks in social systems reported in Europe and Central Asia



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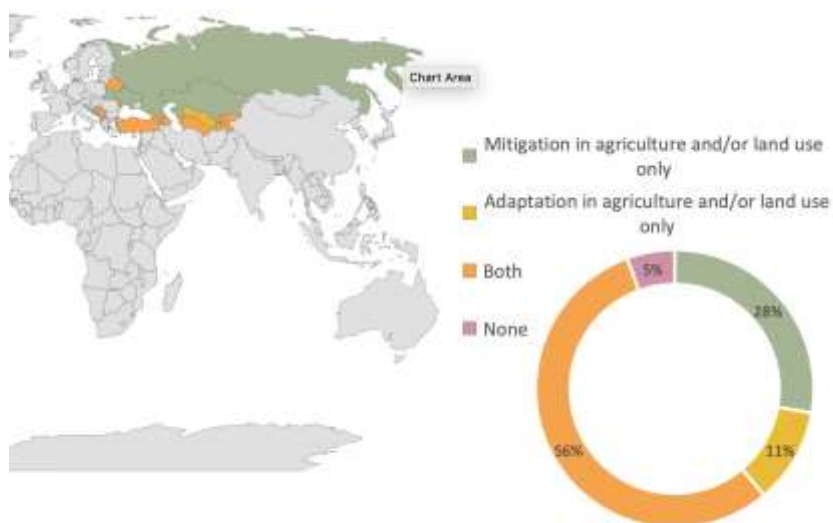
Climate-related impacts reported in ecosystems in Europe and Central Asia



Source: National Communications

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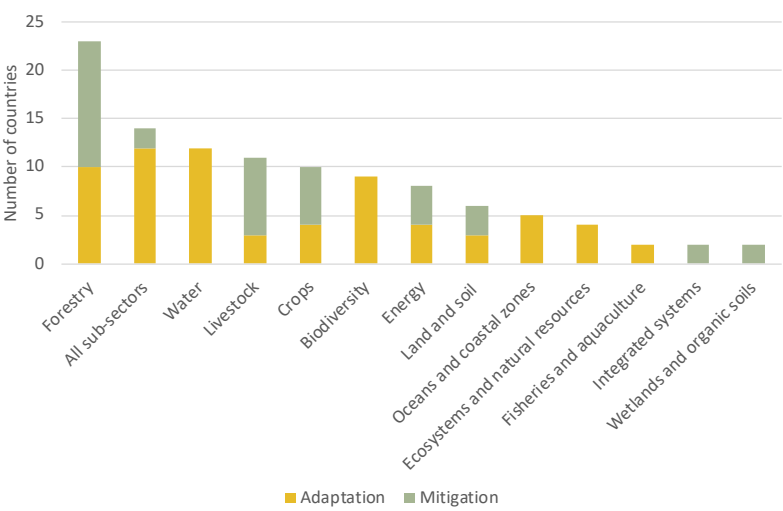
Agriculture and land use in the NDCs of Europe and Central Asia



Source: NDCs

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Priority sectors for CCA/M in Europe and Central Asia



Source: NDCs

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NDC-SDG linkages in Europe and Central Asia

An opportunity to co-deliver on both agendas



Guiding questions

1. How does climate action in the agriculture sectors (crops, livestock, forestry, fisheries and aquaculture) contribute to the 2030 Agenda?
2. How does CC threaten to impede progress on the 2030 Agenda?



LINKING NATIONALLY DETERMINED CONTRIBUTIONS AND THE SUSTAINABLE DEVELOPMENT GOALS THROUGH AGRICULTURE

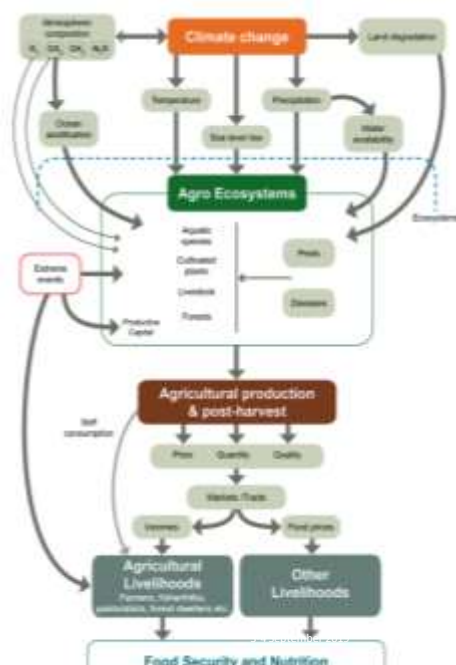
Methodological framework



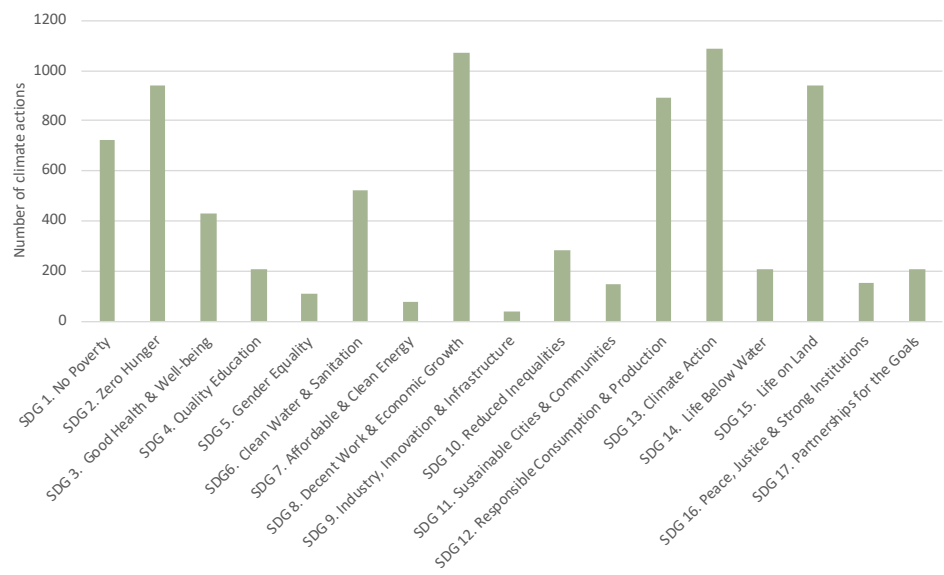
Methodology

Methodology:

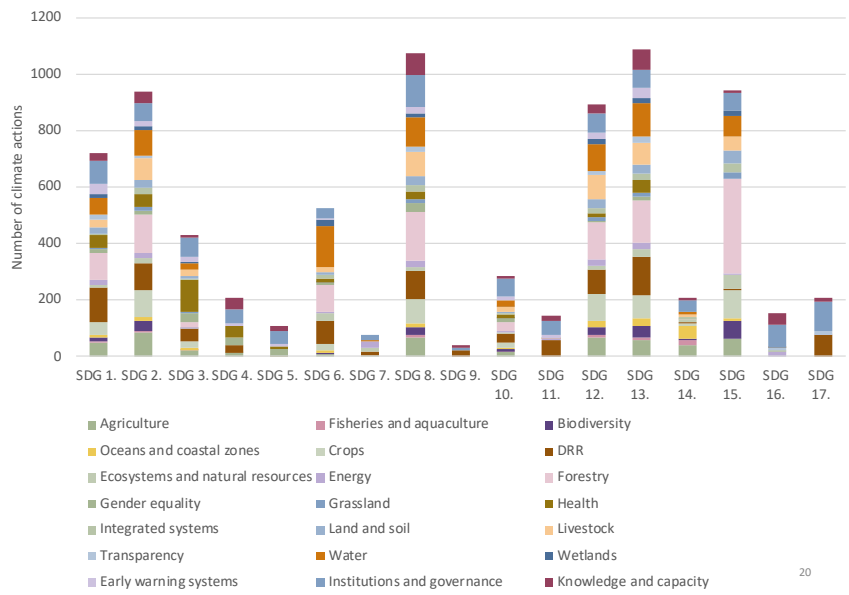
- Typology of climate change adaptation/mitigation measure **positively** associated with SDG target(s)
- Typology of climate-related impacts **negatively** associated with SDG target(s)
- Weighted coding (0 to 1) to account for direct/indirect impact pathways
- Matrix developed
- Country data inputted



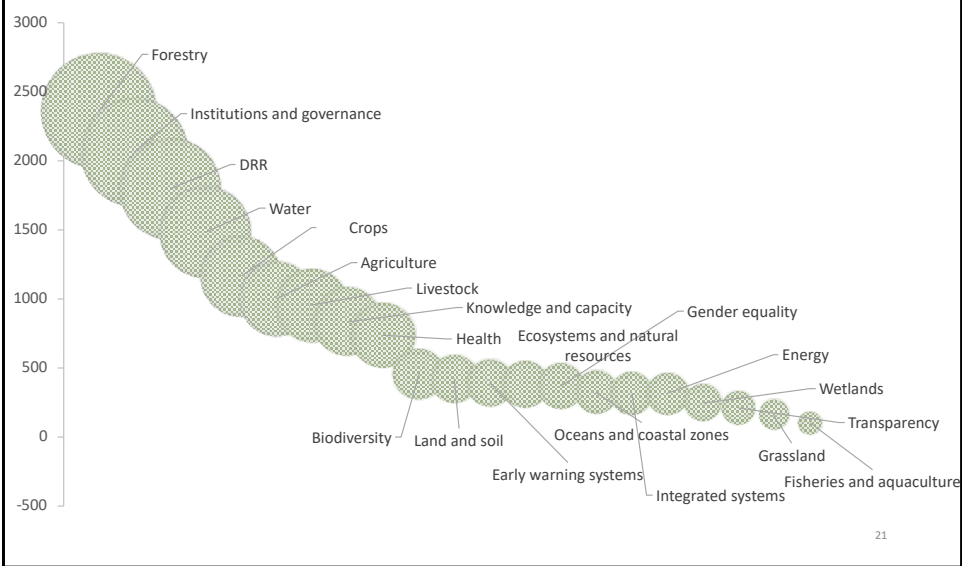
NDC-SDG co-benefits in Europe and Central Asia



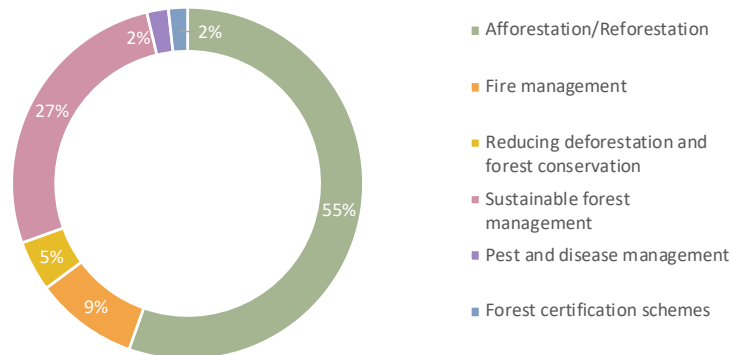
NDC priority areas with SDG co-benefits in Europe and Central Asia



NDC priority areas with SDG co-benefits in Europe and Central Asia

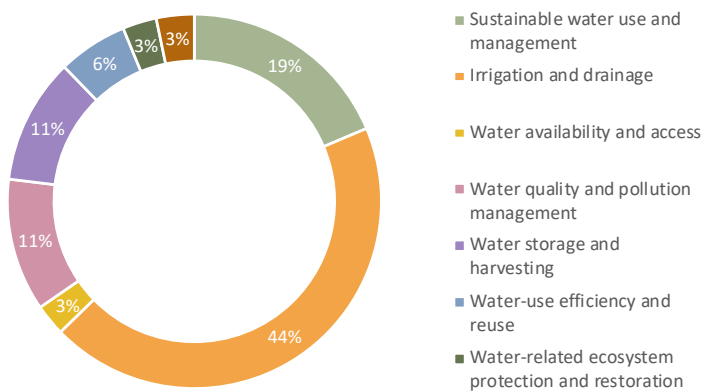


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Climate actions in forestry with SDG co-benefits in Europe and Central Asia

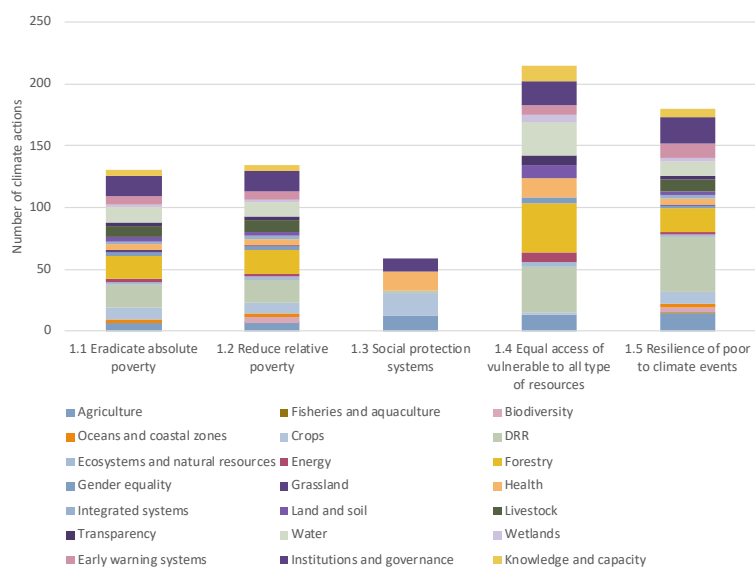
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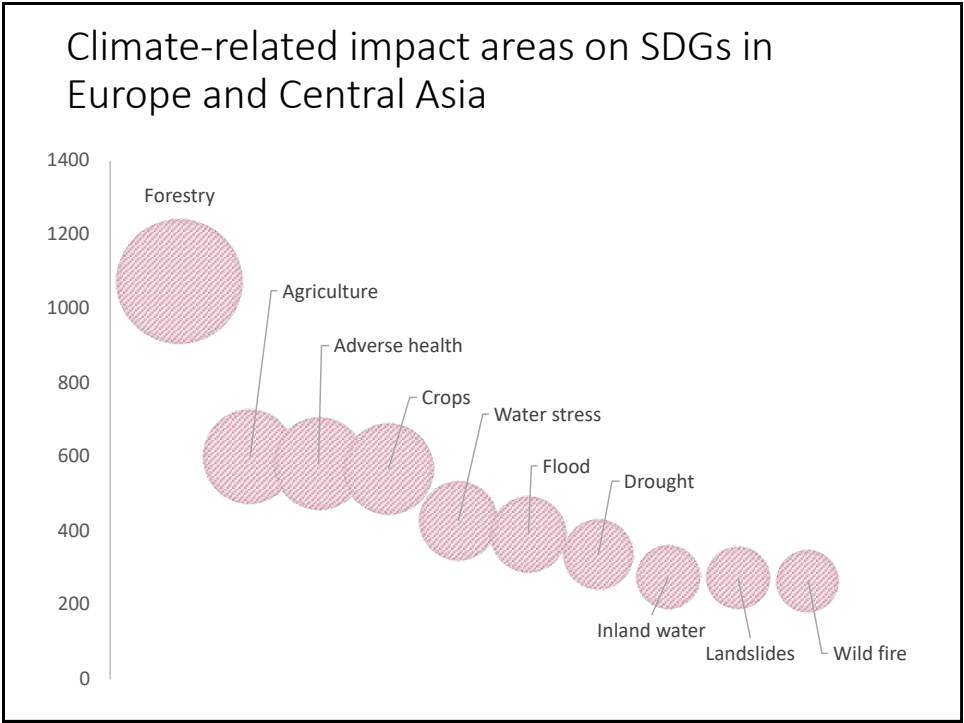
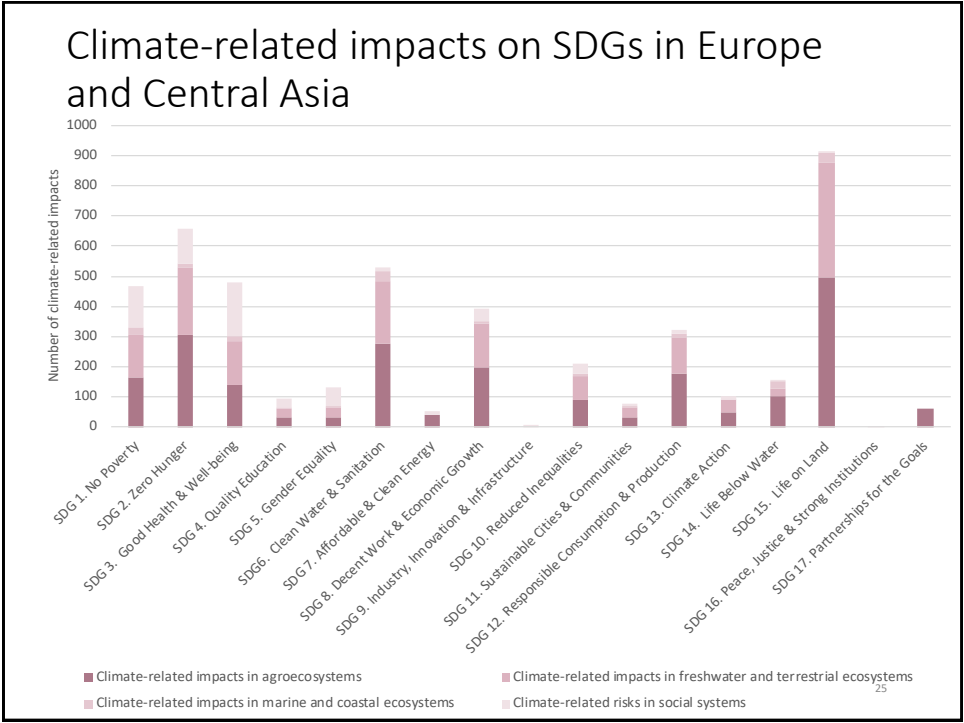


Climate actions in water with SDG co-benefits in Europe and Central Asia

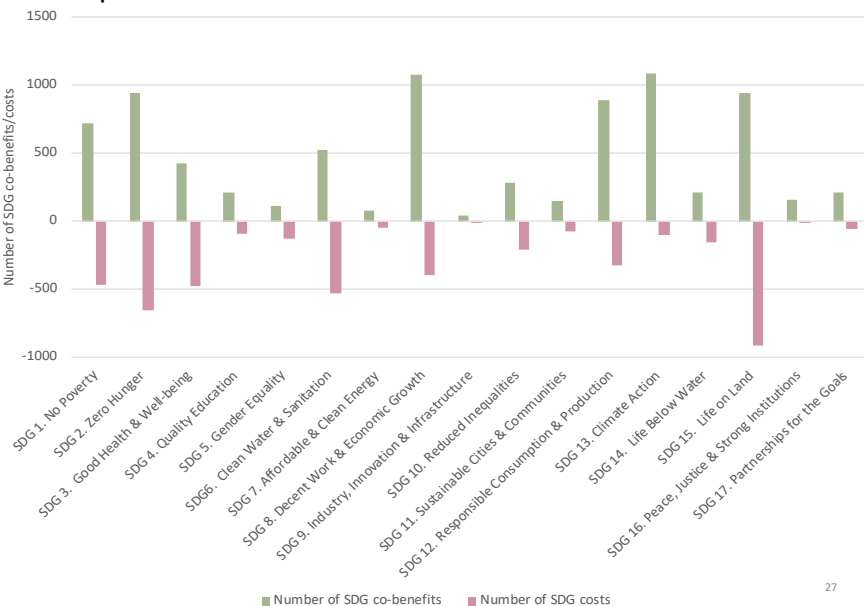
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NDC-SDG 1 “No Poverty” co-benefits in Europe and Central Asia





SDG co-benefits vs. climate-related impacts in Europe and Central Asia



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2020 NDC Revision

An opportunity for an integrated approach to NDC-SDG implementation

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