

National ECRAN Adaptation Teams – STEP A Introduction

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TERRITORIAL CLIMATE IMPACTS

Environment and Climate
Regional Accession Network **ECRAN**

Arctic

Temperature rise much larger than global average
Decrease in Arctic sea ice coverage
Decrease in Greenland ice sheet
Decrease in permafrost areas
Increasing risk of biodiversity loss
Intensified shipping and exploitation of oil and gas resources

Northern Europe

Temperature rise much larger than global average
Decrease in snow, lake and river ice cover
Increase in river flows
Northward movement of species
Increase in crop yields
Decrease in energy demand for heating
Increase in hydropower potential
Increasing damage risk from winter storms
Increase in summer tourism

North-western Europe

Increase in winter precipitation
Increase in river flow
Northward movement of species
Decrease in energy demand for heating
Increasing risk of river and coastal flooding

Mountain areas

Temperature rise larger than European average
Decrease in glacier extent and volume
Decrease in mountain permafrost areas
Upward shift of plant and animal species
High risk of species extinction in Alpine regions
Increasing risk of soil erosion
Decrease in ski tourism

Coastal zones and regional seas

Sea-level rise
Increase in sea surface temperatures
Increase in ocean acidity
Northward expansion of fish and plankton species
Changes in phytoplankton communities
Increasing risk for fish stocks

Central and eastern Europe

Increase in warm temperature extremes
Decrease in summer precipitation
Increase in water temperature
Increasing risk of forest fire
Decrease in economic value of forests

Mediterranean region

Temperature rise larger than European average	Increasing water demand for agriculture	Expansion of habitats for southern disease vectors
Decrease in annual precipitation	Decrease in crop yields	Decrease in hydropower potential
Decrease in annual river flow	Increasing risk of forest fire	Decrease in summer tourism and potential increase in other seasons
Increasing risk of biodiversity loss	Increase in mortality from heat waves	
Increasing risk of desertification		

But mitigation action is not sufficient - Adaptation action is required

EU Adaptation Strategy



Brussels, 16.4.2013
COM(2013) 216 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS

An EU Strategy on adaptation to climate change

{SWD(2013) 131 final}
{SWD(2013) 132 final}
{SWD(2013) 133 final}
{SWD(2013) 134 final}
{SWD(2013) 135 final}
{SWD(2013) 136 final}
{SWD(2013) 137 final}
{SWD(2013) 138 final}
{SWD(2013) 139 final}

[http://ec.europa.eu/clima/policies/
adaptation/what/documentation_en.htm](http://ec.europa.eu/clima/policies/adaptation/what/documentation_en.htm)



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Miscellaneous

- **Report to European Parliament and Council in 2017 (future acquis?)**
- **The EU Civil Protection Mechanism legislation (revised in April 2014) promotes exchange of good practices, incl. on preparing national civil protection systems to cope with the impacts of climate change (DRM)**
- **Adaptation Mainstreaming**



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Adaptation Strategy and ECRAN

Priority 1: Promoting Action

Action 1: *Encourage to adopt adaptation strategies*

Action 2: Provide LIFE funding to adaptation action in Europe

Action 3: Introduce adaptation in the Covenant of Mayors framework

ECRAN Working Group 4

Priority 2: Informed Decision making

Action 4: *Bridging knowledge gap / vulnerability assessments*

Action 5: *Climate – adapt tool*

Priority 3: Climate-proofing action

Action 6: Climate-proofing of the key CAP, Cohesion policy and CFP

Action 6: More resilient infrastructure

Action 7: Promote insurance and other financial products for investment



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ECRAN Adaptation Seminar (Skopje, July 2014)

Conclusions

- From a climate change perspective almost all policy areas are interlinked
- Budget and funding may be less of a problem than tentatively assumed
- Obvious is the need for enhanced cooperation and coordination
- Public administrations' knowledge and skill should be enhanced
- Public awareness is insufficiently developed
- Strengthen local involvement in actions

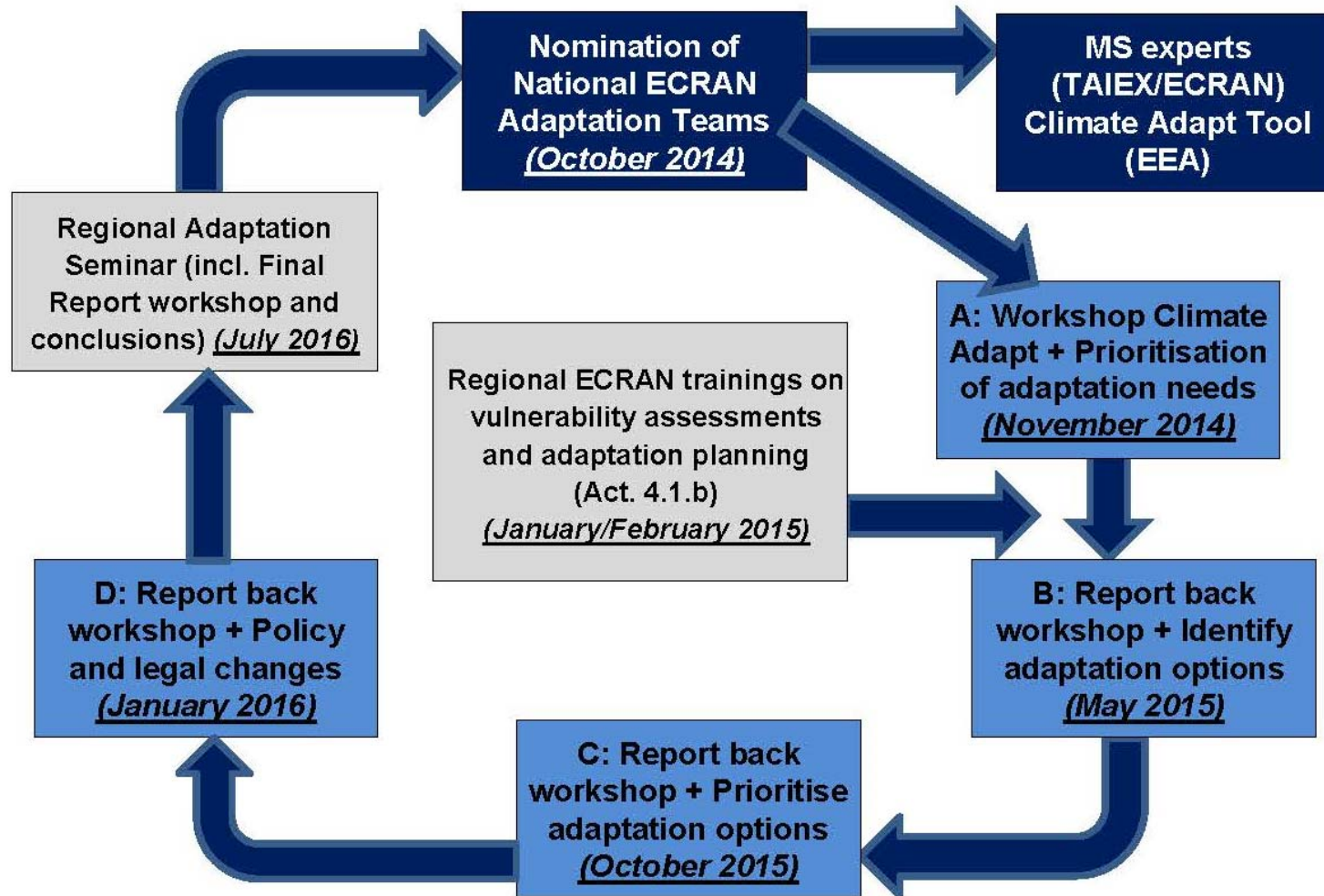


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Working Group 4: ECRAN Adaptation work 2014 - 2016



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ECRAN Adaptation Work

- Coordinating adaptation activities with the European Climate Adaptation Platform (Climate-ADAPT) as the 'one-stop shop' for adaptation information in Europe
- Best practice on adaptation (through training) and to supporting the identification and prioritisation of adaptation options and to the required policy changes, structures and processes for adaptation



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Thank you for your attention!