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CHALLENGE 5: CLIMATE ACTION, RESOURCE EFFICIENCY AND RAW MATERIALS

ACTIONS 2014-2015 SUPPORTING FOCUS AREAS LED BY OTHER SOCIETAL CHALLENGES (VERSION 24/06/2013)

A provisional list of topics addressing the various focus areas is provided below for 2014-2015. This list is still subject to revision, in alignment with the finalisation of the negotiations on Horizon 2020 and budget availability. Dir. I has provided draft texts for all these topic areas – together with the indication of the related budget coming from SC 5 - to the Directorates or DGs concerned, but the “acceptance” of Dir. I contribution by some focus areas (e.g. ‘Smart cities’ and partially ‘Blue growth’) is not granted.

FOCUS AREA 'Blue growth: unlocking the potential of the oceans'

Total indicative budget of SC 5 contribution: €15M (2014); €35M (2015)

The following actions under Challenge 5 will support this focus area:

2014: European polar research cooperation

Proposed instrument: Coordination Action

2014: Strengthening international cooperation in the field of marine sciences

Proposed instrument: Coordination Action

2014: In-situ Atlantic Ocean Observations for better management and exploitation of maritime resources

Proposed instrument: Collaborative Project (100%) – Two stage

2015: Further consolidating the ERA in marine sciences

Proposed instrument: Coordination Action – Single stage

2015: Marine biodiversity for better valuing marine life

Proposed instrument: Collaborative Project (100%) – Two stage

2015: Preservation and sustainable exploitation of Atlantic marine ecosystems

Proposed instrument: Collaborative Project (100%) – Two stage

FOCUS AREA 'Smart cities and communities'

Total indicative budget of SC 5 contribution: €0M (2014); €15M (2015)

The following action under Challenge 5 will support this focus area:

2015: *Improving the air quality [and carbon footprint] of European cities*

Proposed instrument: Collaborative Project (100%) – Two stage

FOCUS AREA 'Competitive low-carbon energy'

Total indicative budget of SC 5 contribution: €15M (2014); €0M (2015)

The following action under Challenge 5 will support this focus area:

2014: *The economics of climate change mitigation*

Proposed instrument: Collaborative Project (100%) – Two stage

FOCUS AREA 'Energy Efficiency'

Total indicative budget of SC 5 contribution: €15M (2014); €0M (2015)

The following action under Challenge 5 will support this focus area:

2014: *Energy strategies and solutions for deep renovation of historic buildings*

Type of action: Collaborative Project (100%) - Two stage

FOCUS AREA 'Disaster-resilience: safeguarding and securing society, including adapting to climate change'

Total indicative budget of SC 5 contribution: €20M (2014); €45M (2015)

The following actions under Challenge 5 will support this focus area:

2014: Co-ordinating research and innovation activities on climate change adaptation and disaster risk management in Europe

Proposed Instrument: Coordination Action – Single stage

2014: Natural Hazards: Towards risk reduction plans at national and European level

Proposed instrument: Coordination Action – Single stage

2014: Opportunities, costs, impacts and risks of adaptation measures and policies in key economic sectors and services in Europe

Proposed Instrument: Collaborative Project (100%) – Two stage

2015: Natural Hazards: towards operational forecasting and early warning capacity

Proposed instrument: Collaborative Project (100%) – Two-stage

2015: Towards large-scale deployment of technological and non-technological adaptation options and practices for key European systems and economic sectors

Proposed instrument: Collaborative Project (70%) – Two stage

2015: Mitigating the impacts of climate change and natural hazards on cultural heritage sites, structures and materials

Type of action: Collaborative Project (100%) - Two stage