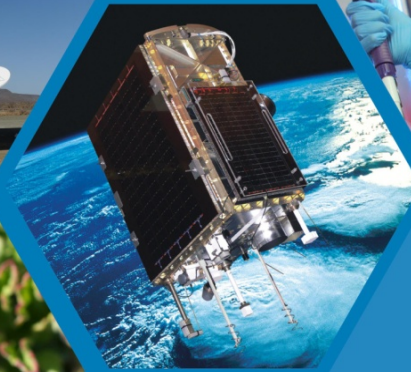


# H2020 SOCIETAL CHALLENGE 5: 2016-2017



**Ms Kogilam (Iyer) Govender**  
**SA National Contact Point SC5**  
**April 2016**



science  
& technology

Department:  
Science and Technology



# H2020 SC5: Objective

- "to achieve a resource – and water – efficient and climate change resilient economy and society, the protection and sustainable management of natural resources and ecosystems, and a sustainable supply and use of raw materials, in order to meet the needs of a growing global population within the sustainable limits of the planet's natural resources and eco-systems."
- prioritise actions which take a systemic approach to promote a more resource efficient, greener and more competitive economy as a key part of smart, inclusive and sustainable growth
- Trans-disciplinary
- Calls for the adoption of a challenge-driven, solutions-oriented research that involves co-creation of knowledge and co-delivery of outcomes with economic, industrial and research actors, public authorities and/or civil society



# SC5: key objectives for 2016-2017

Climate services

Raw materials

Towards a low Carbon  
Europe

Earth Observation

Nature-based solutions for  
territorial resilience

Cultural heritage for  
sustainable growth





# Climate services

- Transformation of climate-related data – together with other relevant information – into customised products such as projections, forecasts, information, trends, economic analysis, assessments (including technology assessment), counselling on best practices, development and evaluation of solutions and any other service in relation to climate that may be of use for society at large‘
- Climate services target both adaptation and mitigation to climate change

**SC5-01-2016-2017: Exploiting the added value of climate services**

**b) From climate service concepts to piloting**

**SC5-02-2017: Integrated European regional modelling and climate prediction system**

**SC5-04-2017: Towards a robust and comprehensive greenhouse gas verification system**



# Towards a low-carbon Europe

- To deepen the analysis of possible and cost-effective trajectories for Europe to achieve its medium and long-term climate objectives while maximising societal benefits and economic prosperity
- The EU is committed to pursuing policies which are consistent with the overall political objective of keeping the global mean temperature increase below 2°C

**SC5-07-2017: Coordinating and supporting research and innovation actions on the decarbonisation of the EU economy**



# Nature-based solutions for territorial Resilience

- Nature-based solutions are inspired or supported by nature and simultaneously provide environmental, social, cultural and economic benefits
- The cost-effectiveness and longer-term social, economic, cultural and ecological benefits of these solutions is currently lacking and this has prevented their wider deployment

## **SC5-08-2017: Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction**

The contribution of social sciences and humanities to these processes is considered necessary.

- Securing the supply of minerals and metals through sustainable innovative production technologies for primary and secondary raw materials

**SC5-13-2016-2017: c) New sensitive exploration technologies (2017): New solutions for sustainable production of raw materials**

**SC5-14-2016-2017: Raw materials Innovation actions b) Processing of lower grade and/or complex primary and/or secondary raw materials in the most sustainable ways (2017)  
c) Sustainable metallurgical processes (2017)**

**SC5-16-2016-2017: Raw materials international co-operation c) International network of raw materials training centres (2017)**



# Cultural heritage for sustainable growth

- The objective of the actions in this part of the call is to harness the full potential of cultural heritage as a production rather than a cost factor and a strategic resource for a sustainable Europe<sup>54</sup> and thus ensure its sustainability, safeguarding, resilience and enhancement.
- **SC5-21-2016-2017: Cultural heritage as a driver for sustainable growth b) Heritage-led rural regeneration**
- **SC5-22-2017: Innovative financing, business and governance models for adaptive re-use of cultural heritage**





# Summary of open calls

Opening: 08 Nov 2016    Closing: 07 Mar 2017

SC5-01-2016-2017 (RIA)

SC5-02-2017 (RIA)

SC5-04-2017 (RIA)

SC5-06-2016-2017 (RIA)

SC5-07-2017 (CSA)

SC5-19-2017 (CSA)

SC5-14-2016-2017 (IA)

SC5-21-2016-2017 (IA)

SC5-23-2016-2017 (CSA)

SC5-13-2016-2017 (RIA)

SC5-15-2016-2017 (CSA)

SC5-16-2016-2017 (CSA)

SC5-18-2017 (RIA)

SC5-22-2017 (RIA)

SC5-26-2017 (PCP)

SC5-08-2017 (IA)

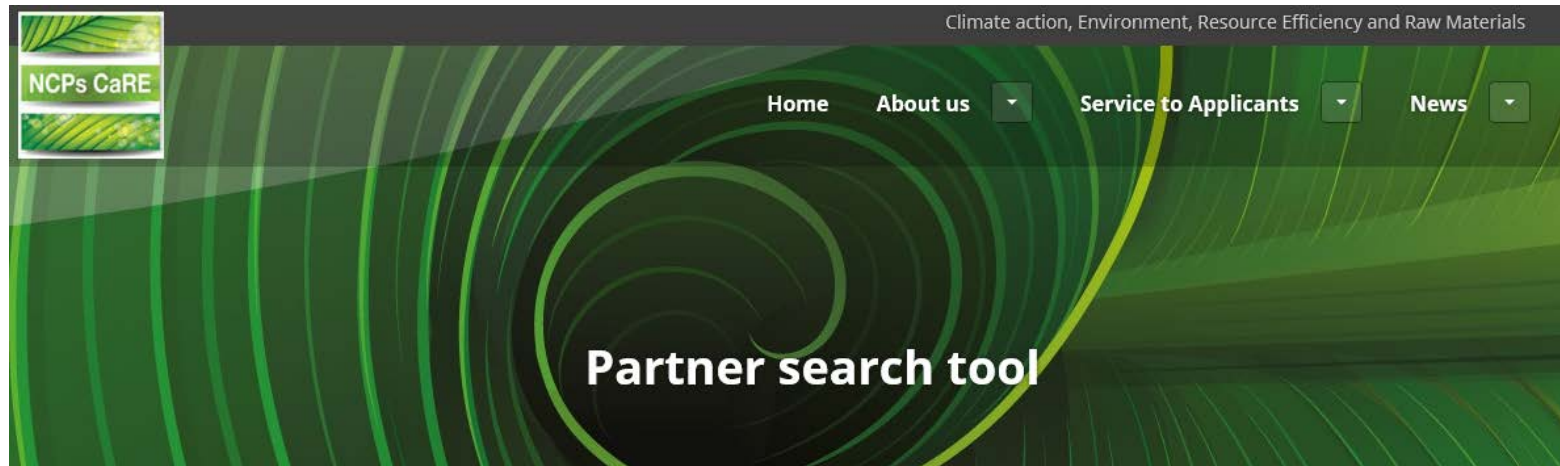




# Links to other calls

- H2020-IND-CE-2016/17 'Industry 2020 in the Circular Economy' (on eco-innovation),
- H2020-SCC-2016/17 'Smart and Sustainable Cities' (on sustainable cities through nature-based solutions),
- H2020-BG-2016-2017 'Blue growth – demonstrating an ocean of opportunities' (on the Arctic),
- H2020-SFS-2016-2017 'Sustainable Food Security – Resilient and resource-efficient value chains' (on Earth Observation for Africa),
- H2020-LCE-2016-2017 'Competitive low-carbon energy' (on applied geo-sciences)

[partnersearch.ncps-care.eu](http://partnersearch.ncps-care.eu)



## Partner Search - Partner Offer

This partnering tool supports potential applicants for the Horizon 2020 Work programme of the **Societal Challenge 5 "Climate action, environment, resource efficiency and raw materials"** in finding partners and building a consortium for a project proposal.

The partnering tool helps you to find cooperation possibilities within the work programme for the **topics in 2016 and 2017 of the Societal Challenge 5**. It can be used in the following ways:

**Step 1:** In order to submit your own partner offer or partner search you first have to register.

## Partner Login

Username (E-Mail address):

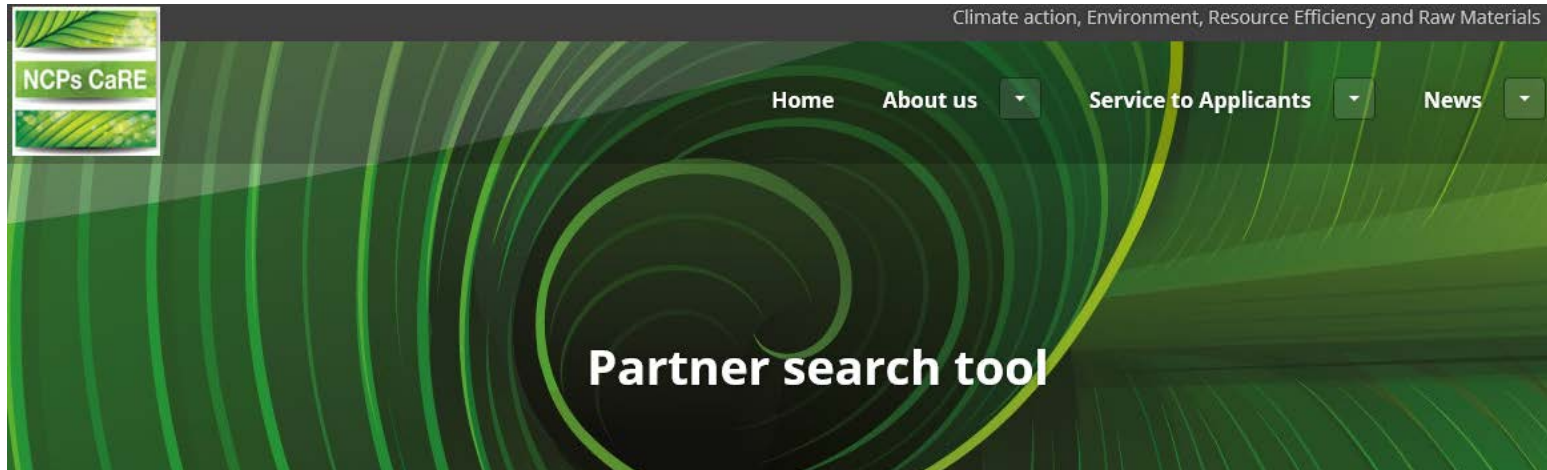
Password:

login



# Partner search

## Task 5.1 [Matching Tool] Screenshot “partner search: entries”



### Search

Phrase:

Type of Calls:

Categories:

Sub-Categories:

Topics:

### Partner Login

Username (E-Mail address):

Password:

[login](#)

- [Registration](#)
- [Password lost?](#)





# Sources of information

<http://ec.europa.eu/research/horizon2020>

[www.ncps-care.eu](http://www.ncps-care.eu)

<http://partnersearch.ncps-care.eu/>

<http://www.esastap.org.za>

<http://www.etches.com/globalchange2014>

<http://www.wasteroadmap.co.za>

<http://www.wrc.org.za>





Thank you

012 843 6526

Kogilam.Iyer@dst.gov.za