

Horizon 2020

EU Framework Program for Research and Innovation

**UN Conference
“Small Island Developing States”
1-4 September 2014, Apia, Samoa**

***Rado Faletic
Director, Projects & Communications
Montroix Pty Ltd***

Horizon 2020

Presentation overview

1. Introduction to Horizon 2020
2. Some past/ongoing projects
3. Upcoming calls
4. Further information and support

Horizon 2020

What is Horizon 2020?

- The European Union's Framework Programme for Research and Innovation, 2014-2020
- The world's **largest** *research & innovation* funding programme, €70 billion+
- Purpose, to solve problems faced by the EU (and the rest of the world):
 - An *investment* in the future
 - Address major *issues* (environment, security, etc.)
 - Strengthen EU in *science, technology & innovation* (STI)



Horizon 2020

Types of activities

- All areas of research (not only science / technology)
- Scientific “discovery” projects, scholarships and fellowships
- Networking and policy platforms
- Examining / solving industrial, environmental and social problems
- Building capacities and infrastructures
- Supporting SMEs

Horizon 2020

Can developing countries participate?

- Horizon 2020 is a European Union programme, paid for by European taxpayers
- Everyone in the world can participate as **full partners**
- Any legal entity (university, business, government agency, individual, etc.) can be a partner
- Partners from developing countries (including all SIDS countries) are also eligible for **full funding** (salaries, travel, equipment, overheads, etc.)
- Projects usually need *at least* 3 European partners from different EU countries

Horizon 2020

Structure of Horizon 2020

- Three pillars:
 - Support the **best science** (**Excellent Science**)
 - Support **future technologies** (**Industrial Leadership**)
 - Solve major **social concerns** (**Societal Challenges**)



Horizon 2020

Excellent Science

- Specifically for developing research **talent**
- Open to researchers from *any* country
- **Best scientists** supported by the European Research Council (ERC)
- Marie Skłodowska-Curie Actions (MSCA) facilitates the **mobility** of researchers



European Research Council
Established by the European Commission



Horizon 2020

Industrial Leadership

- Enabling and Industrial Technologies
 - ICT, nanotechnology, materials, manufacturing, biotechnology, space
- Funding for cutting-edge advancements as well as utilisation of technologies
- Support for **SMEs** (including risk finance, management training, building relationships between sectors)

Horizon 2020

Societal Challenges

- Health, Demographic Change and Wellbeing
- Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy
- Secure, Clean and Efficient Energy
- Smart, Green and Integrated Transport
- Climate Action, Environment, Resource Efficiency and Raw Materials
- Europe in a changing world – Inclusive, innovative and reflective societies
- Secure societies – Protecting freedom and security of Europe and its citizens

Horizon 2020

Past & present projects

- “**Environment and climate change**” and “Health” are the largest areas of collaboration with SIDS countries
- Over 50 projects with SIDS countries, in all areas of collaboration (*including Space and Transport!*)
- **All types of organisations** from SIDS countries: universities, government agencies & ministries, public institutes, private organisations and companies
- Project sizes: 6-31 partners, €0.4 - €16 million

Horizon 2020

GMOS (Global Mercury Observation System)

- 24 partners (inc. Suriname & Cape Verde)
- budget €9,150,448
- November 2010 – October 2015
- Develop a coordinated **global observation system for mercury concentrations** in ambient air and precipitation over land and surface waters
- Built on past EU projects and engages with other international programs
- <http://www.gmos.eu/>



Horizon 2020

FORCE (Future of Reefs in a Changing Environment)

- 19 Partners (inc. Jamaica)
- budget €8,581,207
- January 2010 – May 2014
- Enhance the scientific basis for managing coral reefs (in the Caribbean). Aim is to provide coral reef managers with a **toolbox of sustainable management practice**.
- <http://www.force-project.eu/>



Horizon 2020

ECOPAS (European Consortium for Pacific Studies)

- 6 partners (inc. Fiji & PNG)
- budget €3,299,073
- December 2012 – November 2015
- Multidisciplinary project to provide coordination and **support to research and policy communities** on issues connected to climate change and related processes in the Pacific Islands region
- <http://www.ecopas.info/>



Horizon 2020

Some upcoming calls

- **Blue Growth**: Unlocking the potential of Seas and Oceans, multiple calls open now
- **ICT international partnership** building in low and middle income countries, call open Oct 2014
- **Water Innovation**, multiple calls open Dec 2014
- The cultural, scientific and social dimension of **EU-LAC relations**, call open Dec 2014
- See <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020>

Horizon 2020

More information and support

- **Official site:**
<http://ec.europa.eu/programmes/horizon2020>
- **INCONTACT2020:** (global support)
<http://www.ncp-incontact.eu/>
- **Caribbean:** <http://www.eucarinet.eu/>
- **Central America:** <http://www.enlace-project.eu/>
- **Gulf Countries:** <http://www.inconet-gcc.eu/>
- **Pacific:** <http://pacenet.eu/>
- **South-East Asia:** <http://www.sea-eu.net/>
- **Sub-Saharan Africa:** <http://www.caast-net-plus.org/>

Horizon 2020

Dr Rado Faletic
Director, Projects & Communications
Montroix Pty Ltd
rado.faletic@montroix.com

MONTROIX
PTY LTD



INCONTACT2020 has received funding from the European Union's *Seventh Framework Programme for research, technological development and demonstration* under grant agreement no 609492.