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***SWAN Project – 5th Progress Meeting
iGlobes, Tucson, Arizona***

**Horizon 2020 and the future of INCOLAB
Program : EU grants opportunities in
Water research and innovation field**

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Content

- **Introduction – CNRS & FP Projects**
- H2020 – structure, international cooperation, future of INCO program
- Potential Calls – MSCA, Societal challenges
- Conclusion – and beyond H2020?

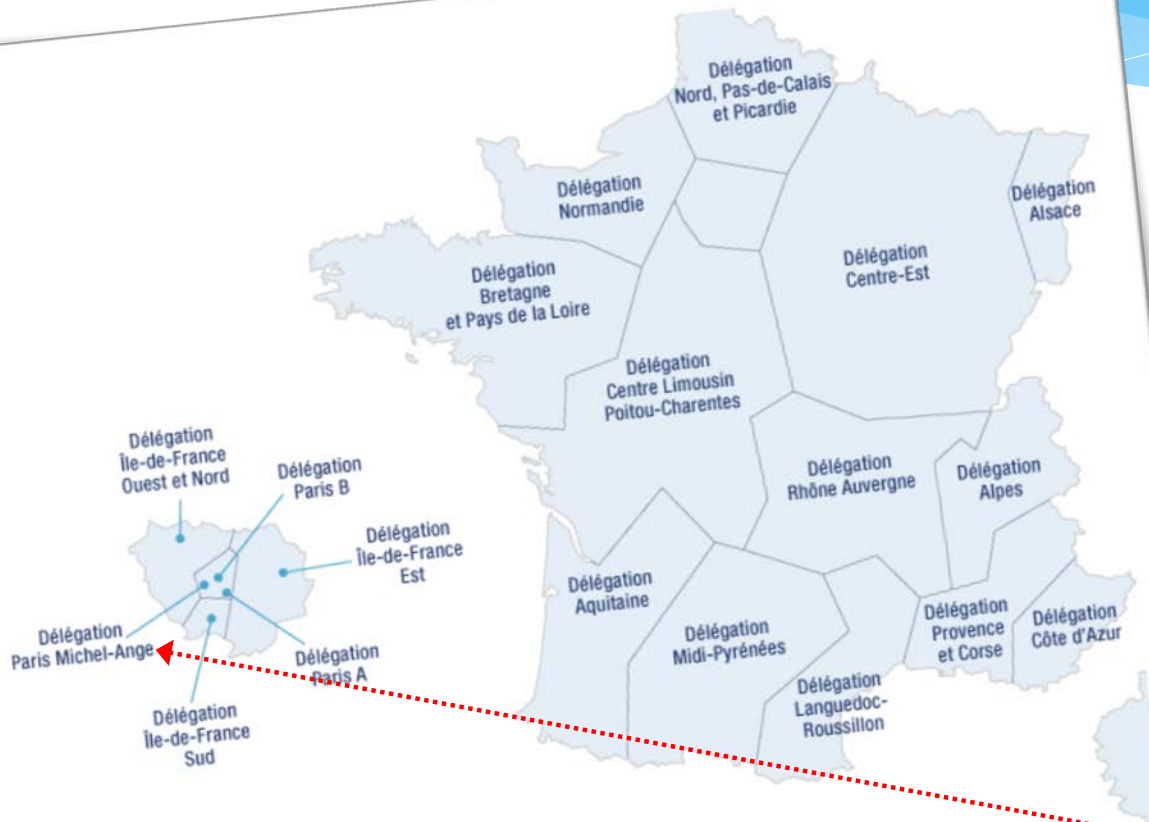
CNRS in a nutshell



advancing the frontiers

- A French state Institution
- 1200 Labs & Joint Labs
- 32,000 researchers, engineers, support staff
- 3.4 billion € annual budget
- 10 scientific Institutes
- 19 regional management offices

CNRS in France....



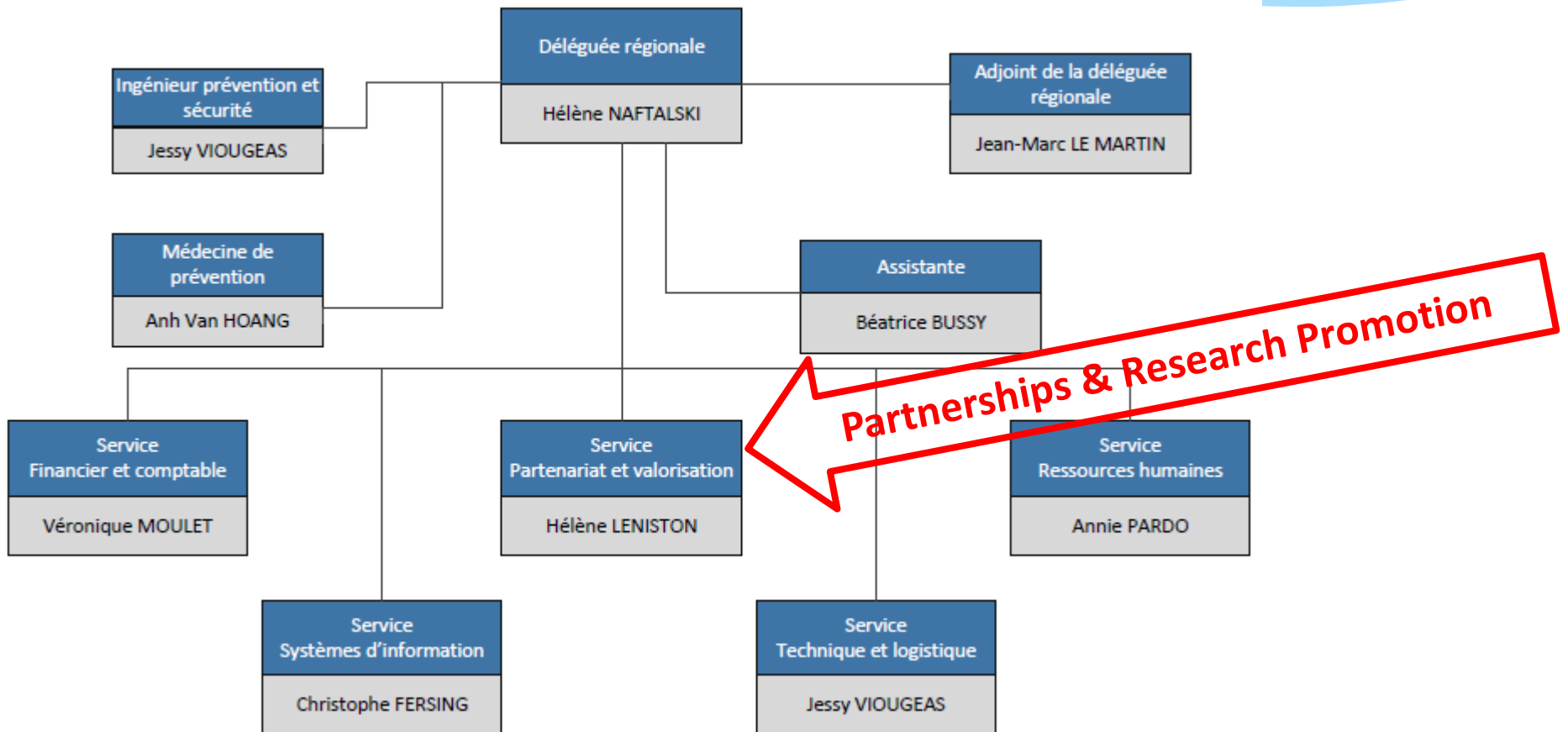
**1200 Labs &
Joint Labs**

*iGLOBES Regional
Support Office*

... and abroad ...



... through Paris Regional Office



A snapshot.....

= competitive grants,
partnerships, patents
follow up of projects
from the launch of calls
to final (financial)
reviews and reporting



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H2020

- **Successor of the 7FP** ('H2020' = 8FP) for 2014 – 2020 with almost 80 billion €
- European institutional Research and Innovation main funding Program
- + International cooperation Policy

H2020' 3 pillars

- **1 - Excellent science**

Mainly individual team Projects, bottom-up approach

- **2 - Industrial leadership**

Innovation, industrial and technological driven Projects

- **3 - Societal challenges**

Policy driven, interdisciplinary & collaborative Projects

Excellence in Science



Total funding for 2014-2020	€ million
European Research Council (ERC) Frontier research by the best individual teams	13 095
Future & emerging technologies Collaborative research to open new fields of innovation	2 696
Marie Skłodowska-Curie actions (MSCA) Opportunities for training and career development	6 162
Research infrastructures (including e-infrastructure) Ensuring access to world-class facilities	2 488

Industrial Leadership



Total funding for 2014-2020	€ million
Leadership in enabling & industrial technologies (LEITs) (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)	13 557
Access to risk finance Leveraging private finance & venture capital	2 842
Innovation in SMEs Fostering all forms of innovation in all types of SMEs	616

Societal Challenges



funding for 2014-2020	€ million
Health, demographic change & wellbeing	7 472
Food security, sustainable agriculture and forestry, marine/maritime/inland water research and the bioeconomy	3 851
Secure, clean & efficient energy	5 931
Smart, green & integrated transport	6 339
Climate action, environment, resource efficiency & raw materials	3 081
Inclusive, innovative & reflective societies	1 310
Secure societies	1 695

H2020 Participation

- **Response to calls and topics**
 - 2 year work programs
 - Participant Portal = every stage **electronically** managed
- **Eligibility check + peer & independent evaluation**
 - Criteria: excellence, impact, efficiency of implementation - except ERC : excellence only

Rules for participation

- **General rules**
 - Collaborative projects : **3 independent legal entities established in 3 different MS/AC**
- **Specific rules in the call**
- + for some projects, European based activities requirement

Rules for funding

A **single** funding rate

100% of eligible costs + 25% flat-rate overheads

100% (70%) of eligible costs for innovation projects + 25% flat-rate overheads

H2020 International participation

- No nationality criteria (researchers)
- Worldwide open to participation

H2020 International funding

- **Own contribution principle** (Industrialized countries)
- Except :
 - **specific provision in some calls**
 - **specific agreement with the EU**
cf. current EU-US NIH - for health challenge
 - **participation is 'essential' for the project**

FP7 – American participation

- Involved in more than 900 FP7 projects
- 76 million € financial contributions
- Mostly Health, ICT, Food, Agriculture, Fisheries and Biotechnology, Energy
- + international cooperation project
- + as Host Country

H2020 - American participation

- **Societal Challenges = response at a global level**
- **2014-2015, 33 specific calls targeted on the USA**

The SWAN INCOLAB Project ...

- FP7 Int. Coop. Capacities Program, INCO-LAB call: **“Strengthening European research facilities in third countries”**
- Grants designed for Brazil, China, India, Japan, Russia, USA Institutions
- **Unique Pilot call as of today ...**

... again?

- **Not in the last FP7 calls nor in the first H2020 calls...**
- **But:**
 - a success...
 - the Program runs until 2020
 - lobby, institutional & political level

UMI in FP

iGlobes, a CNRS-UA Tucson Lab, is European, as CNRS, manager of the grant, is a European based legal entity

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Pillar 1 - Excellence in Science

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Marie Skłodowska-Curie actions



Training,
Career development
Mobility

Innovative Training Networks

“... to train a new generation of creative, entrepreneurial and innovative early stage researcher...”

- **European Training Networks (ETN)**
- European Industrial Doctorates (EID)
- European Joint Doctorates (EJD)

ETN – Objectives

Deadline: 13 January 2014

- International network of organizations, academic & non academic, proposing a **joint research training or doctoral program**
- Bottom-up approach & all disciplines covered – mobility requirement
- Only for **Early Stage Researchers**

ETN – Rules for participation

- Min. 3 beneficiaries from 3 different MS/AC
- Non-academic participation essential
- Each beneficiary recruits and hosts at least one researcher – max. 540 PM
- Beneficiary + Partner organizations

RISE

Opening date: 6 January 2015

Deadline: 28 April 2015

- Research and Innovation Staff Exchange (RISE) - International and intersectoral collaboration through the exchange of research and innovation staff
- **Secondment** of staff member

Pillar 3 - Societal Challenges

Total funding for 2014-2020	€ million
Health, demographic change & wellbeing	7 472
Food security, sustainable agriculture and forestry, marine/maritime/inland water research and the bioeconomy	3 851
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SC5 : calls

Opening Date : 10 December 2014
Deadline : 21 April 2015

- **Call – Waste: A Resource to Recycle, Reuse and Recover Raw Materials**
- **Call – Water Innovation: Boosting its value for Europe**
- **Call – Growing a Low Carbon, Resource Efficient Economy with a Sustainable Supply of Raw Materials**

SC5 – Waste... 2015 Topics

- WASTE-4-2014/2015: Towards near-zero waste at European and global level
- WASTE-6-2015: Promoting eco-innovative waste management and prevention as part of sustainable urban development
- WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products

SC5 – WATER... 2015 Topics

- 2014/2015: Bridging the gap: from innovative water solutions to market replication
- 2014/2015: Integrated approaches to water and climate change
- 2014/2015: Stepping up EU research and innovation cooperation in the water area
- 2014/2015: Harnessing EU water research and innovation results for industry, agriculture, policy makers and citizens
- 2014/2015: Strengthening international R&I cooperation in the field of water

SC5 – Low carbon... 2015 Topics

- Sub-topics: Fighting and adapting to climate change
- Sub-topics: Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems
- **Sub-topics: Ensuring the sustainable supply of non-energy and non-agricultural raw materials**
- sub-topics: Enabling the transition towards a green economy and society through eco-innovation
- Sub-topics: Developing comprehensive and sustained global environmental observation and information systems

SC5. International targeted topic

- **f) [2015] Strategic international dialogues and cooperation with raw materials producing countries and industry:** aiming to promote the activity of European companies active in the mining and raw materials sectors in non-EU countries, inward mining investment to the EU and cooperation with raw materials producing countries, including exchange of best practices in raw materials policy, stakeholder dialogues, and social licence to operate, resulting in strong and sustainable relationships with these countries.... international cooperation is encouraged, in particular with Australia, US, Canada, European Neighbourhood Policy countries, African Union and Latin American countries.

SC6 : calls

Opening Date : 10 December 2014
Deadline : 28 May 2015

- 6th.Europe in a changing world - inclusive, innovative and reflective Societies
- **Call** – Europe as a Global actor
≈ INCO FP7

SC6. International targeted topic

Non EU targeted countries funded

- 2014/2015. Enhancing and focusing research and innovation cooperation with the Union's key international partner countries (Australia, USA, Brazil, Russia, China, South Africa, Ukraine)
- *“Proposals should build on the results of existing cooperation initiatives, and in particular those funded through the FP7 Capacities part 'Activities of International Cooperation’ “*

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Calls



Call Updates



Other EU Programmes 2014-2020

Research Fund for Coal & Steel

COSME

3rd Health Programme

Europe as a global actor

H2020-INT-INCO-2015

Sub call of: H2020-INT-2014-2015

Planned Opening Date 10-12-2014

Publication date 11-12-2013

Total Call Budget €10,350,000

Status **Forthcoming**

Deadline Date 12-05-2015 17:00:00 (Brussels local time)

Main Pillar Societal Challenges

OJ reference OJ C361 of 11 December 2013

Topic: Enhancing and focusing research and innovation cooperation with the Union's key international partner countries - proposals targeting Australia, USA, Brazil, South Africa, Ukraine

INT-01-2015

Topic Description

Topic Conditions & Documents

Submission Service

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Beyond H2020

- Other European grants such as COST
- Bilateral / multilateral partnerships



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Thanks !

