

ACQUEAU CORPORATE PRESENTATION
SEPTEMBER 2014



ACQUEAU 



WATER SECTOR IN EUROPE

BOOST COMPETITIVENESS & ENCOURAGE COOPERATION

Key drivers

- Huge market
- Considerable assets
- Large social impact
- Health



Key challenges

- Unequal availability over the world
- High energy consuming
- Non-efficient use

Key features

- Thousands of water service providers
- Very large, long life assets
- Wide spectrum of industrial activities and technologies
- Diffuse and dispersed knowledge



WHAT IS ACQUEAU?

EUREKA cluster for Water and related technologies

- Established in April 2010
- Supported by more than **25 countries** and **70+ companies** across Europe
- AISBL established in Brussels (ESE offices)

Vision and road map

- To facilitate the generation of market-driven, pan-European collaborative water R&D projects
- 9 major components based on water cycle
- 5 major programs for key technological needs
- Open to any proposal relevant to the strategy - BLUE BOOK -

EUREKA label and open call process

- 20 projects labelled - **volume of 66M€** -
- ~33M € on-going projects



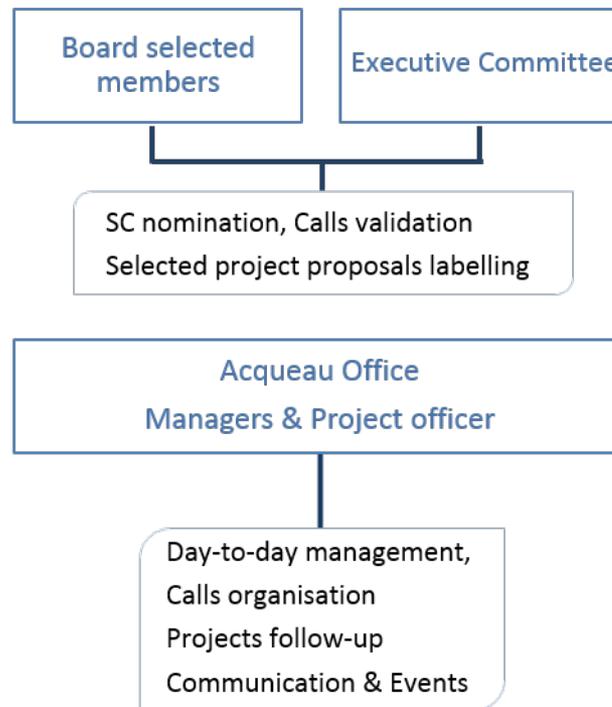


OUR STRUCTURE

TECHNICAL FIELD



CLUSTER MANAGEMENT



FUNDING





BOARD MEMBERS (09/2014)





SCIENTIFIC COMMITTEE



Pr. Tom STEPHENSON (Cranfield University) - CHAIR



Pr. Martin JEKEL (Technische Universität Berlin)



Pr. Gertjan MEDEMA (KWR – Delft university of technology)



Dr. Esa Sakari MELIN (independant)



Dr Brian MERGELAS (WATERTAP)



Pr. Ahmet METE SAATÇI (Marmara University)



Pr. Eberhard MORGENROTH (EAWAG)



Dr. Uwe MÜLLER (Technologiezentrum Wasser)



Dr. Joseba QUEVEDO CASIN (Universitat Politècnica de Catalunya)



Pr. Hannes RAUTENBACH (Pretoria University)



Pr. Martin TILLOTSON (Leeds University)



Dr Daniel VILLESSOT (*Pole compétitivité DREAM*)



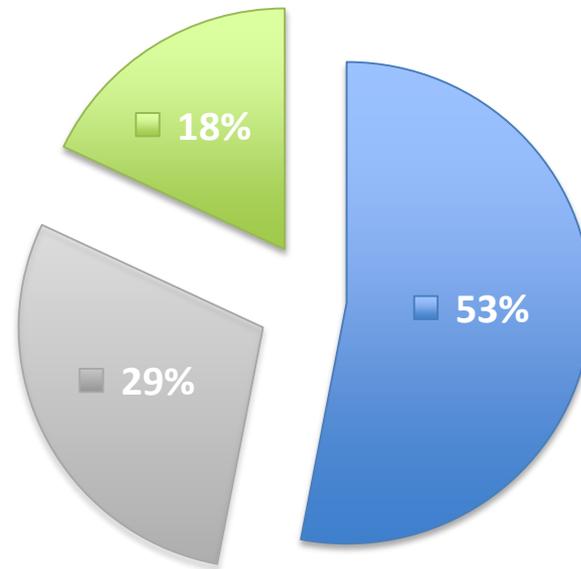
Dr. Prof. Hans ZOJER (Waterpool Competence Network)





ACQUEAU MEMBERS

Type of organization



■ Large Enterprises ■ SMEs ■ R&D Institutes



Large Entreprises





SMEs





RESEARCH INSTITUTES & UNIVERSITIES





TECHNOLOGY ROAD MAP



ACQUEAU Blue Book is the reference and strategic document



9 Technology Areas

5 Major Technology Needs



9 TECHNOLOGY AREAS

Water Resources

Protect Water Resources
& Prevent Damages

Water Treatment

Anticipate emerging
quality issues and protect
the public health

Water Distribution

Optimise the cost of the
management of water

Customers

Enforce the trust and
confidence of customers
towards water

Agriculture

Achieve a sustainable
production while
protecting water
resources

Industry

Ensure a sustainable use
of water in industrial
processes

Urban Drainage & Collection

Prevent foul water
flooding

Wastewater Treatment

Changing from a
consuming industry to one
producing resources

Biosolids

Maximise energy and
resource recovery



5 MAJOR TECHNOLOGY NEEDS

Membrane Technologies

Develop European know-how and equipment

Real Time System Management

Improve the operation networks and reduce the cost of construction

Low Energy Wastewater Treatment

Achieve a neutral or positive energy balance

Materials for pipes and coating

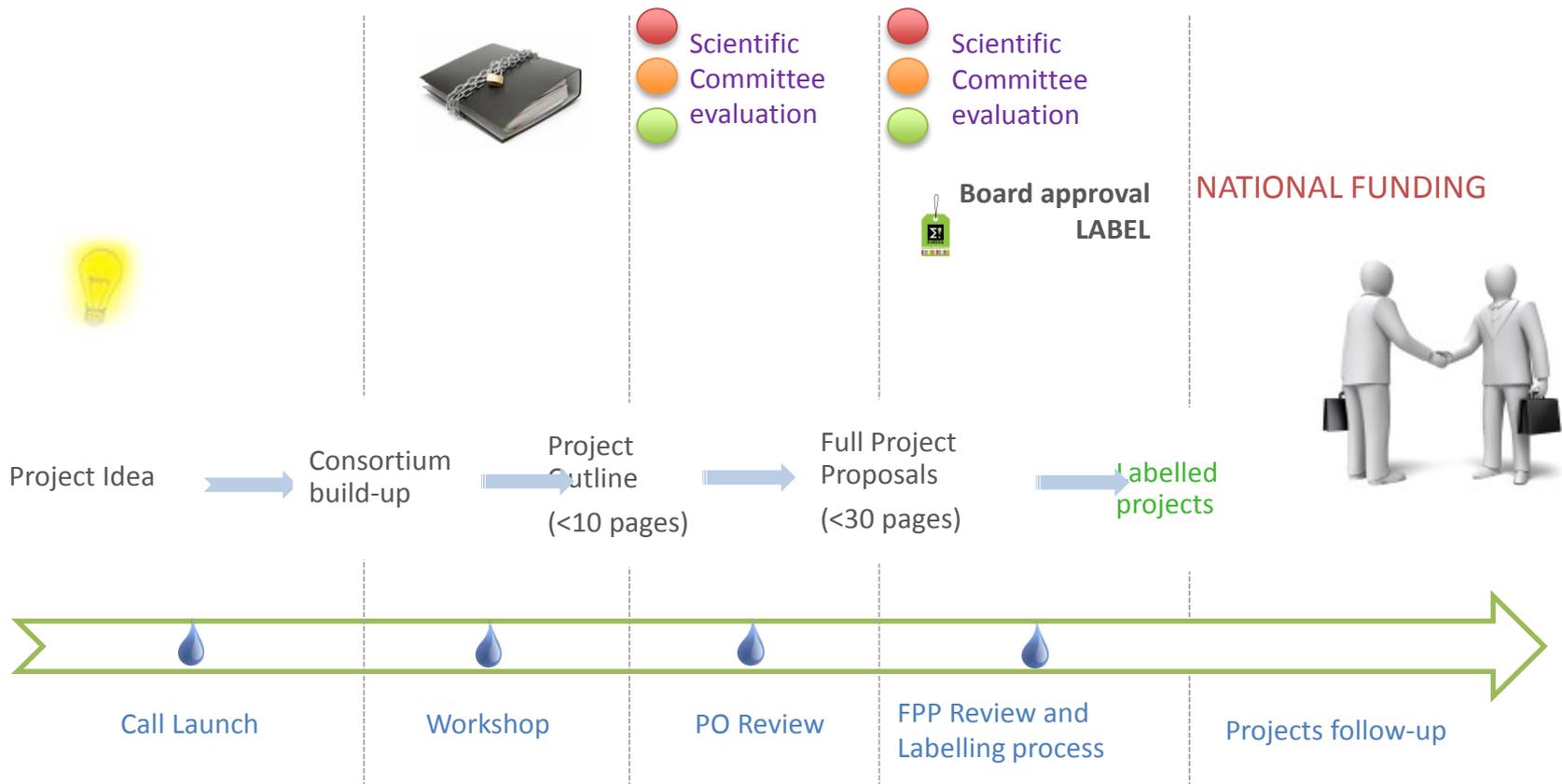
Strengthening European competitiveness in the area of nano-based materials in contact with water

Low energy processes for disinfection & Oxidation

Develop new disinfection or other oxidation processes for the removal of microbiological activity



OPEN CALL

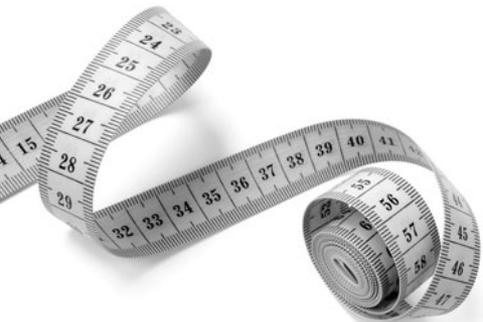




CONSORTIUM BUILD UP

Eligibility & conditions

- 💧 **Proposal** : - any market oriented project idea in the context of the water cycle and the Blue Book
 - strong exploitation orientation
- 💧 **Consortium** : min 2 entities from 2 different participating countries
 - 💧 **Contribution** : - any partner country must not exceed 70% of the total budget
 - any partner organisation must not exceed 70% of the total budget
 - 💧 **Fees** : Administratives : 0.15% of the proposal budget
Management : 1.5% of the proposal budget





PROJECT OUTLINE (PO)

- What is? PO is a short description of your project proposal in 10 pages maximum
- Related documents : PO + Letter of Intent
- Assessment : 1/ ACQUEAU Scientific Committee (technical content)
2/ National Project Officer/Coordinator (relevance to national priorities)
- Evaluation:
 - The project cannot be accepted as it is (possibility to re-submitted)
 - The project continue to FPP stage (recommendations have to be addressed)
 - The project continues to FPP stage



FULL PROJECT PROPOSAL (FPP)

- 💧 **What is?** FPP is a full description of your project proposal in 30 pages maximum
- 💧 **Related documents :** FPP + Commitment Letter + Consortium Agreement
- 💧 **Assessment :**
 - 1/ ACQUEAU Executive Office (company validity and draft consortia agreement)
 - 2/ ACQUEAU Scientific Committee (technical content)
 - 3/ National Project Officer/Coordinator (relevance to national priorities)
 - 4/ ACQUEAU Board (decision of labelling)
- 💧 **Evaluation:**
 - 🔴 The project is not suitable for labelling
 - 🟠 The project needs further work to be labelled
 - 🟢 The project is suitable for labelling





PARTICIPATING COUNTRIES

25 countries across & beyond Europe



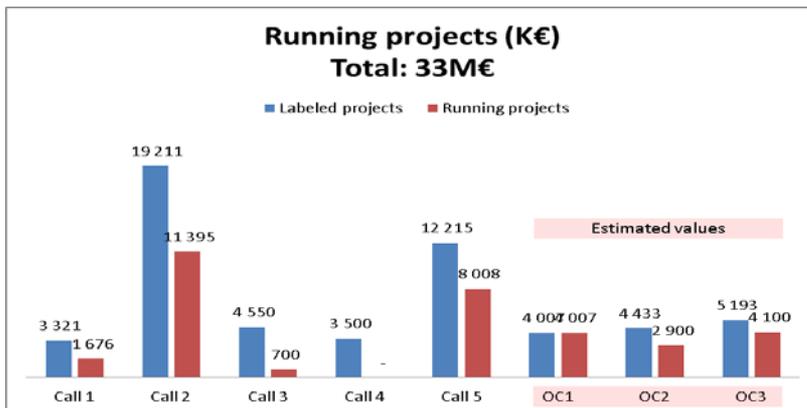
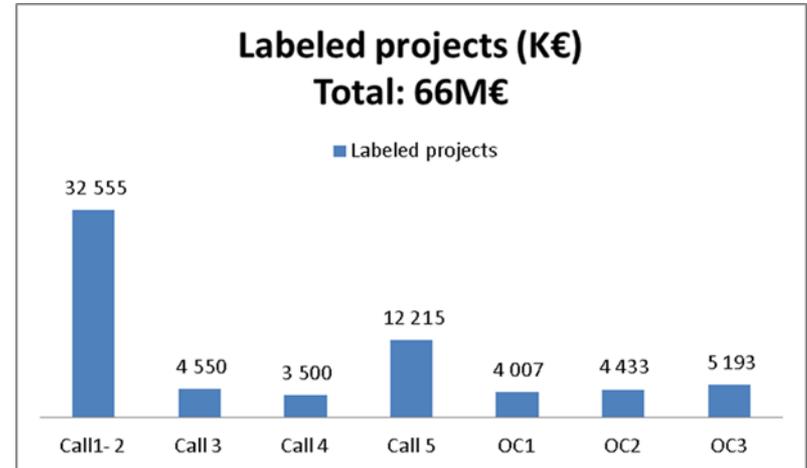
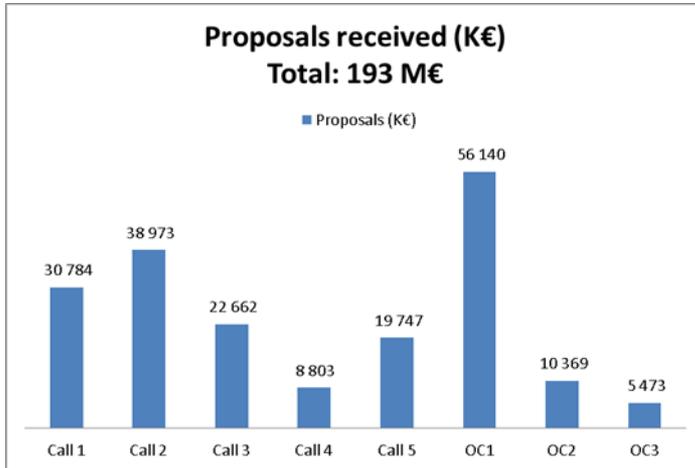
Austria/ Belgium/ Canada/ Croatia/ Czech Republic/ Denmark/
Finland/ France/ Germany/ Israel/ Luxembourg/ Malta/ Monaco/
Norway/ Poland/ Portugal/ Slovakia/ Slovenia/ Spain/ Sweden/
Switzerland/ The European Union/ The Netherlands/ Turkey/ UK

South Africa





PROJECTS



PROJECTS PROFILE

3 M€

Average Costs per project

6

Average participants per project

3

Average countries per project

3 years

Average duration of the project