

Lisbon International Centre for Water



LIS-Water

International Centre on Public
Policies, Management and
Regulation on Water



Conferência AcquaLive 2017

*“Inovação para a Competitividade e Internacionalização”
16 de Março de 2017, Centro de Congressos de Lisboa*

The international water framework



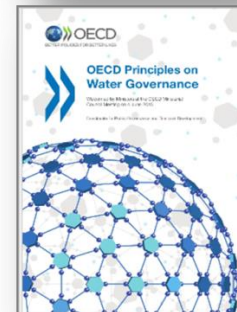
The international framework

- Water is nowadays recognized as one of the top priorities of mankind.
- Water is included in the United Nations agenda 2016-2030 (Sustainable Development Goals).
- The new integrated water vision involves all of the challenges, what is innovative.
- All countries come to share a common vision of the challenges of water and to adopt common actions.
- And water is transversal and relevant to all the other Sustainable Development Goals.

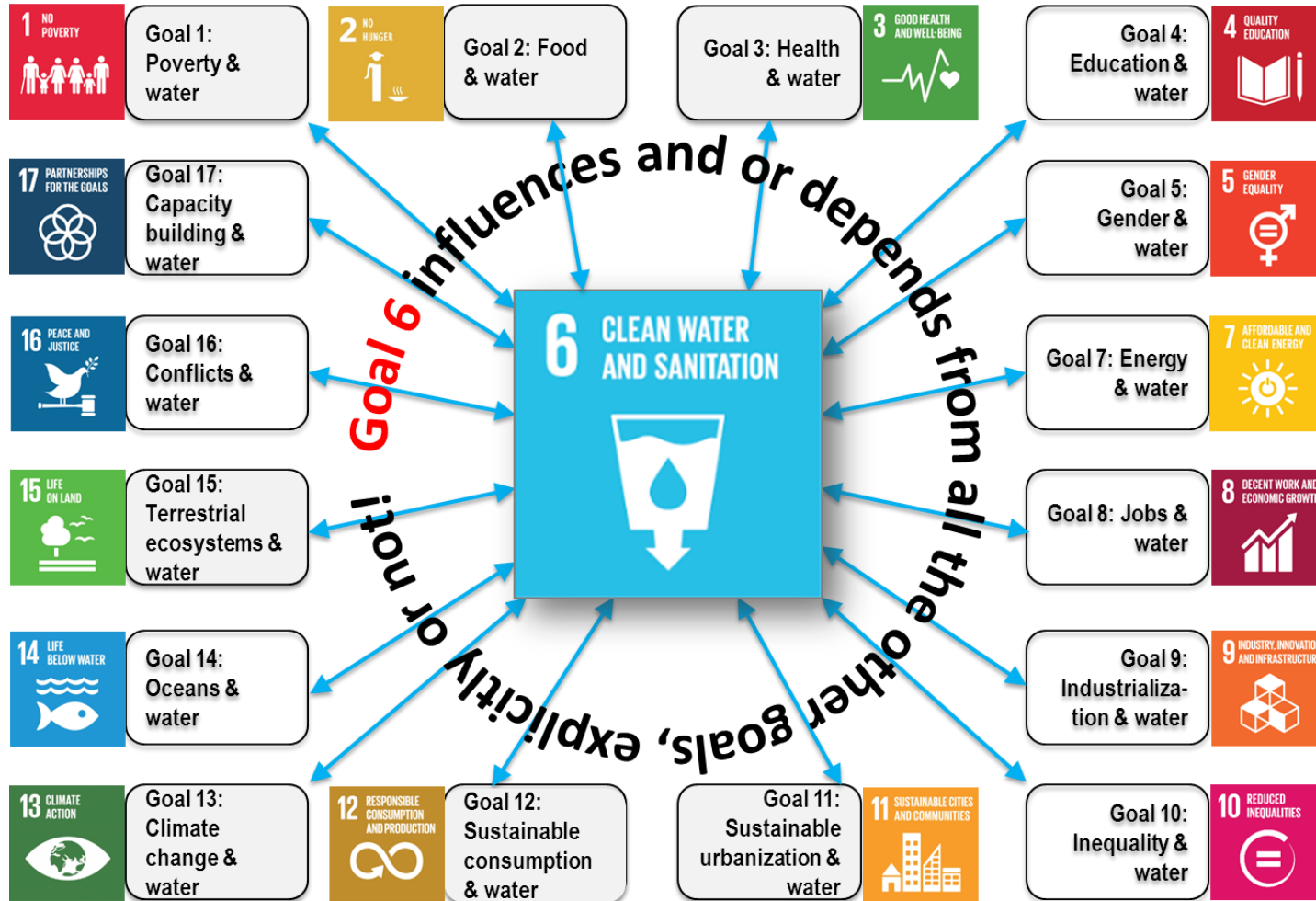


The international framework

- Other key international policy initiatives are also relevant:
 - UN Resolution declaring access to safe drinking water and sanitation as essential human rights, 2010.
 - UN Paris Agreement under the United Nations Framework Convention on Climate Change, 2015.
 - Twelve OECD principles of water governance, 2015.
 - IWA Lisbon Charter for Guiding the Public Policy and Regulation of Drinking Water Supply and Wastewater Management Services, 2015.



The international framework



- SDG encourage countries to improve improved inter-ministerial links on water.

The international framework

- **United Nations Secretary-General Ban Ki-Moon:**

Ensuring water and sanitation for all is crucial for reducing poverty and achieving other Sustainable Development Goals. I urge all partners to mobilize behind SDG 6 with political, financial and technological support (2016).

- **Yes, we can accept to face this request and to contribute for the compliance of the UN SDG “Water”.**
- **To answer to the United Nations Secretary-General we need to identify the main associated challenges.**

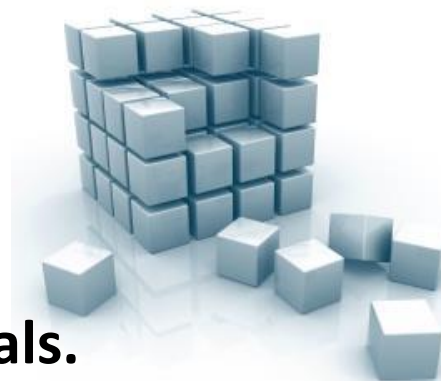


The main challenges



The main challenges

- The main challenge is technological? **No!**
- The main challenge is financial? **No!**
- The main challenge is policy? **Yes!**
- **Sound public policies on water resources and water services are missing across the world.**
- **What that means, a public policy?**
 - Strategic plans.
 - Legal framework.
 - Institutional framework.
 - Governance models.
 - Access and quality of service goals.
 - Tariff and tax policy.
 - Financial resources.



The main challenges

- Construction of infrastructure.
 - Operational efficiency.
 - Human resources.
 - Research and innovation.
 - Economic activity.
 - Competition.
 - Consumers protection.
 - Social engagement.
 - Ethics and integrity.
 - Information.
- An holistic and multidisciplinary approach is needed for a sound public policy.
 - A joint academic and hands-on approach is also needed.



A sound project

- How to promote knowledge on public policy on water and transfer to:



The main challenges

- The answer to this question is:
 - To have a sound project;
 - To have good arguments;
 - To have a sound “case study” of success;
 - To have strong international links;
 - To have strong partnerships;
 - To have a good location;
 - To have available physic facilities;
 - To have available technological facilities;
 - To have available other support facilities;
 - To have financial support.



**Do we have a sound
project?**



A sound project

- Yes, LIS-Water will be a non-profit centre of excellence focused on public policies, management and regulation on water services and water resources.
- Promoted by a well recognised scientific Portuguese organization: National Laboratory of Civil Engineering (LNEC) ...
- ... but with a real partnership with many internationally recognised Portuguese, non-Portuguese and international organisations.
- LIS-Water will be a inclusive project, all the stakeholders are welcome!



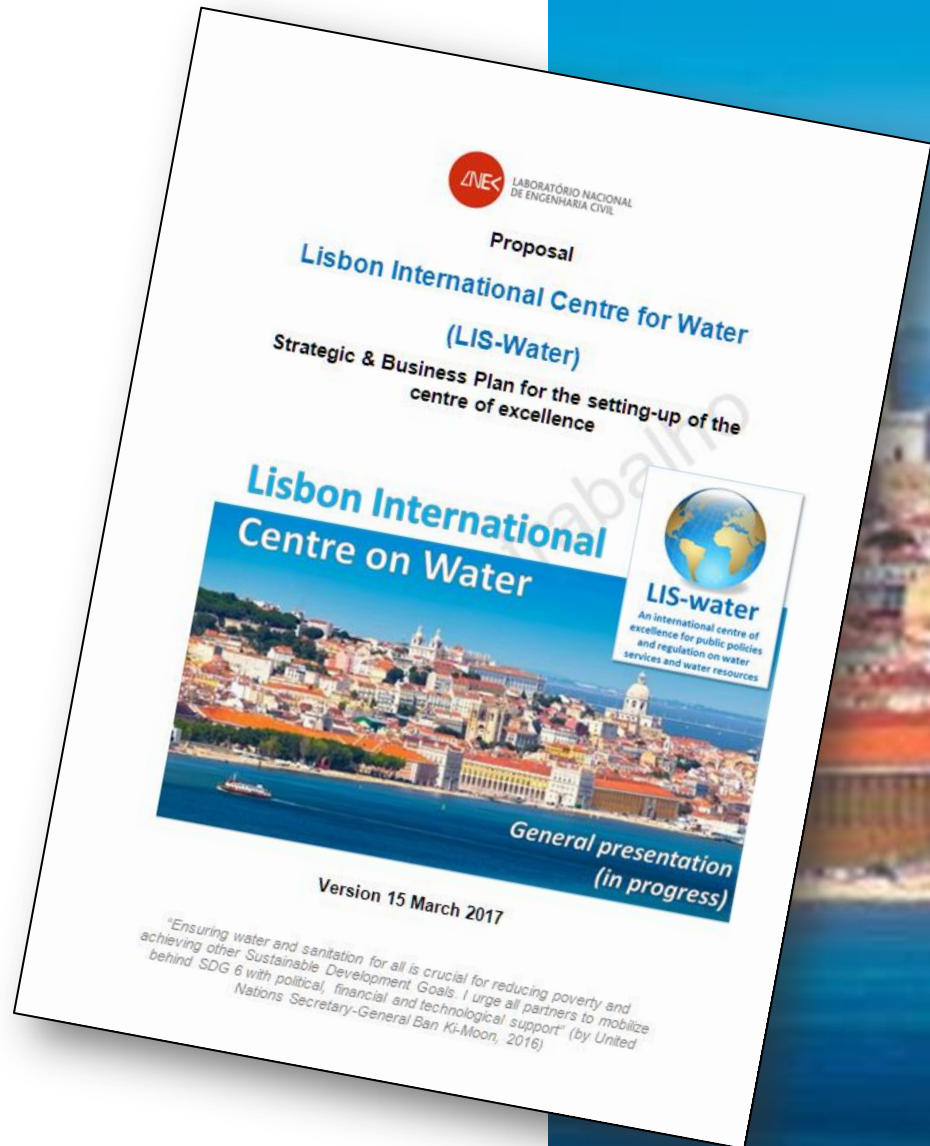
A sound project

- LIS-Water in a glance:



A sound project

- Under development:
 - Model of governance;
 - Organisational structure;
 - Business plan;
 - Corporate identity and stationary.
- Preparing the “Strategic & Business Plan for the setting-up of the centre of excellence”



**Do we have good
arguments?**



A sound project

- **Yes, LIS-Water provides relevant added values regarding the existing international scenario:**
 - **Meeting point of the Portuguese water knowledge in the sector with ambition to play a role for the rest of Europe as well.**
 - **Unique centre fully dedicated to the public policy and regulation on water services and water resources (similar centres have different approaches).**
 - **Unique research infrastructure and a meeting point for scientists & companies from Europe.**



A sound project

- **Contribute to solutions for global water problems and helping countries on complying with international resolutions like the Agenda 2015-2030 for Sustainable Development adopted by United Nations.**
- **It materializes the “Lisbon Charter ” approved by IWA in 2015.**
- **Provides a multidisciplinary water approach including policy, strategy, technology, engineering, economics, finance, legal issues, social issues, society, public health, environmental, etc., based on a combination of diverse background high level professionals.**



A sound project

- Provides a theoretical and practical approach (academic & hands-on teaching) of public policy and regulation of water services and related water resources based on a blend of academic and professional high level experts.
- Encourages cooperation between (inter)national businesses, educational institutes and governments, in order to create synergy for world class innovation, education and entrepreneurship.
- Is in contact with an international extensive network of stakeholders.



**Do we have a sound
“case study” of success?**



A sound “case study”

- Yes, in the last 3 decades Portugal decided to define new integrated public policies for:
 - Water services.
 - Water resources.
- The results of the execution of those policies have been successful for citizens, economy, public health, and environment.



A sound “case study”

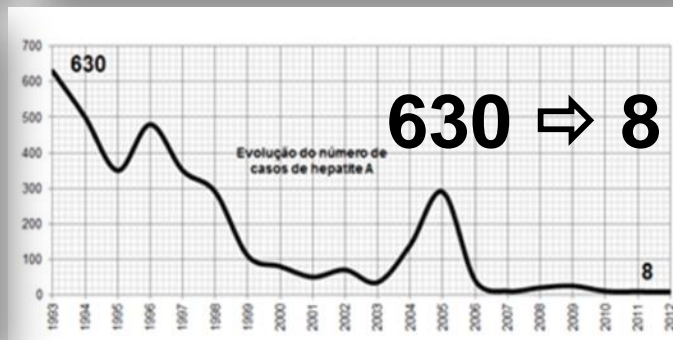
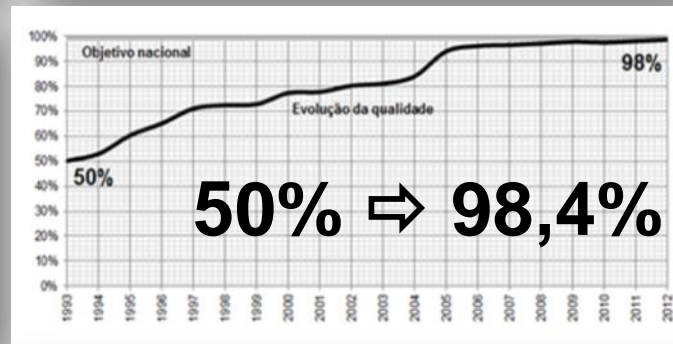
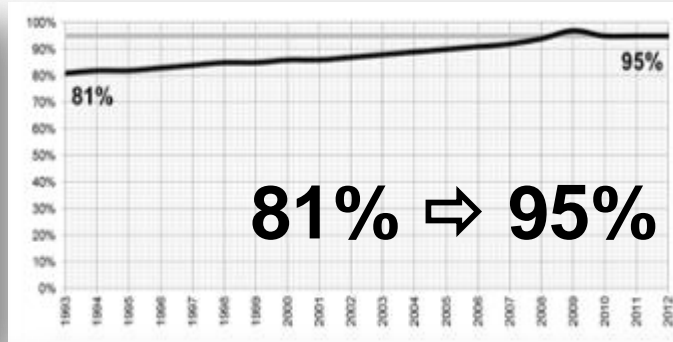
- We are an exceptional “case study” on water service & resources:
 - Good experience of shifting water public policy in the last 20 years;
 - Geographic, orographic, hydrologic and social diversity across the country (mainland and islands);
 - Diversity of governance models (State, municipalities & private) on water services;
 - Diversity of technologies adopted;
 - Many successes and some mistakes.



A sound “case study”

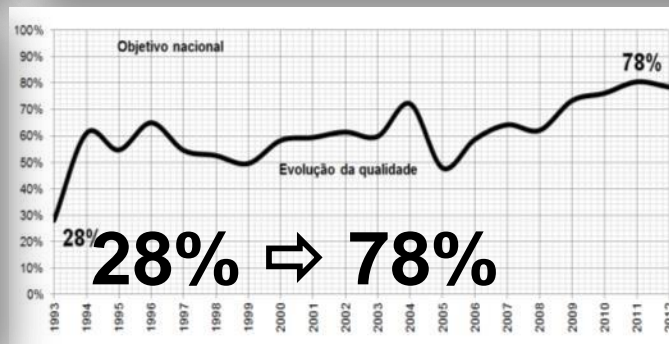
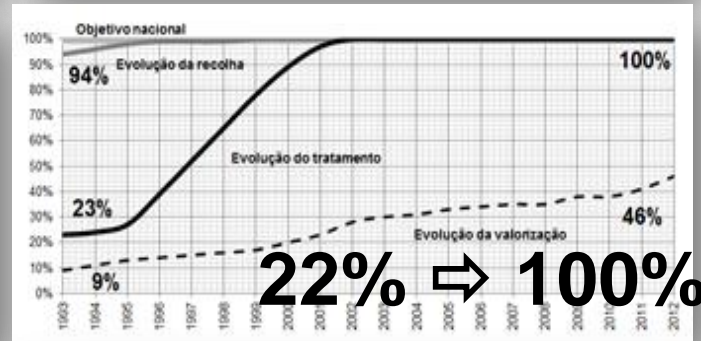
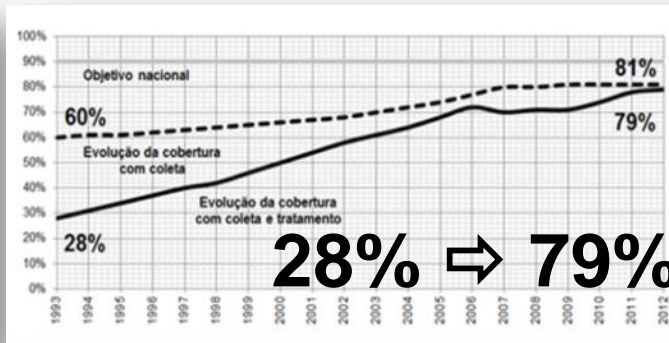
■ Water supply:

1993 - 2015



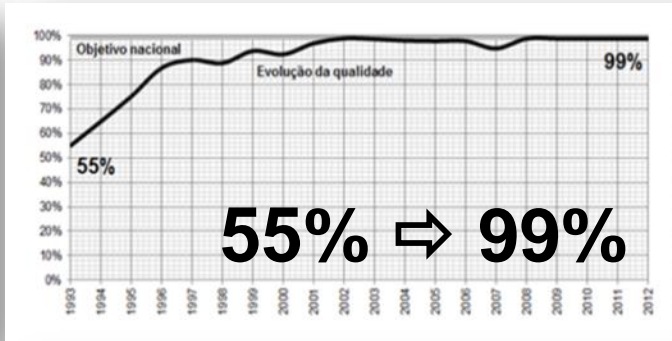
A sound “case study”

■ Pollution abatement: 1993 - 2015



A sound “case study”

■ Pollution abatement: 1993 - 2015



**Do we have strong
international links?**



Strong international links

- Yes, we are internationally recognized (EU, OCDE, EIB, IWA).
- We have strong scientific international links.
- We have increasing activity abroad.
- We co-organized the 9th IWA World Water Congress & Exhibition of the IWA, in Lisbon, 2014.
- We co-organized the 1st International Water Regulators Forum of the IWA, in Lisbon, 2014.



**Do we have strong
partnerships?**



Strong partnerships

■ Yes, we have all the type of stakeholders:

- Central Government
- Regional Government
- Local Government
- Public administration and regulators on water
- Universities & R&D centres
- Water utilities
- Industry in general
- Technical associations on water
- International organisations
- Multilateral development banks
- Cooperation organisations
- Civil society associations
- Media partners

■ And we will support:

- Water policy makers
- Water executives and directors
- High level water technical staff
- Academics
- Young water professionals



Strong partnerships

- **Formal support from central government:**
 - Minister of Environment
 - Minister of Economy
 - Minister of Science, Technology and Higher Education (Foundation for Science and Technology)
 - ...
- **Formal support from regional government:**
 - CCDR from Lisboa e Vale do Tejo
 - CCDR from Centro
 - CCDR from Algarve.
- **Formal support from local government:**
 - Mayor of the Lisbon Municipality
- **Formal support from public administration:**
 - Agência Portuguesa do Ambiente
 - Entidade Reguladora dos Serviços de Águas e Resíduos
 - Entidade Reguladora dos Serviços de Águas e Resíduos dos Açores
 - Direção Geral de Saúde
 - Direção-Geral do Consumidor



Strong partnerships

■ Formal support from universities & R&D centres:

- National Laboratory of Civil Engineering (LNEC)
- Cranfield Water Science Institute, Cranfield University, UK
- Sorbonne Graduate Business School, Université Paris1 Pantheon-Sorbonne, France
- Lisbon University (Instituto Superior Técnico, Faculdade de Direito, Instituto Superior de Agronomia, CERIS - Investigação e Inovação em Engenharia Civil para a Sustentabilidade)
- NOVA Lisbon University (Faculdade de Ciências e Tecnologia)
- University of Porto (Faculdade de Engenharia)
- Coimbra University (Faculdade de Ciências e Tecnologia and Centro de Estudos de Direito Público e Regulação)
- University of Minho
- IWW Water Centre (Germany)
- Instituto Tecnológico del Agua (Spain)

■ Formal support from water utilities:

- Águas de Portugal (AdP)
- National Association of Portuguese Municipalities (ANMP)
- Association of Portuguese Companies on Environmental Sector (AEPSA)



Strong partnerships

- **Formal support from industry:**
 - Portuguese Water Partnership (PPA)
 - Associação Port de Empresas de Tecnologias Ambientais (APMETA)
- **Formal support from technical associations:**
 - Associação Port dos Recursos Hídricos (APRH)
 - Associação Port de Engenharia Sanitária e Ambiental (APESB)
 - Associação Port de Distribuição e Drenagem de Águas (APDA)
- **Formal support from international organisations:**
 - International Water Association
 - United Nations Educational, Scientific and Cultural Organisation (UNESCO)
 - Sanitation and Water for All
 - Instituto Brasileiro para o Desenvolvimento da Regulação com a Sociedade (Brazil)
 - Instituto Hidroambiental de Águas do Brasil (Brazil)
- **Formal support from other organisations:**
 - Portuguese Association for Consumers Protection (DECO)
 - Sociedade Portuguesa de Inovação (SPI)
 - A&Ambiente



**Do we have a good
location?**



Good location

- Yes, we have Portugal as hosting country, a universal country, full of global history.
- Portugal, the heart of Lusophony (267 million Portuguese speaking people).
- Lisbon as hosting city, the right city for hosting this Centre, a beautiful place to live, work, study and visit.



Good location

- **LNEC as hosting organisation:**
 - Congress Centre in the campus of LNEC, in Lisbon, Portugal.
 - Pleasant and green area with 22 ha.
 - Enjoying a good location, close to the airport, main highways, bus station, metro station and railway station.



Good location

- We can create a “Water campus” and a “Living lab” with external facilities.
- Several water related organizations are located in the LNEC campus:
 - National Laboratory of Civil Engineering (LNEC)
 - Lisbon International Centre on Water (LIS-Water)
 - Portuguese Water Partnership (PPA)
 - Associação Portuguesa dos Recursos Hídricos (APRH)
 - Associação Portuguesa de Engenharia Sanitária e Ambiental (APESB)
 - Associação das Empresas Portuguesas para o Sector do Ambiente (AEPSA)
 - Fundação para a Computação Científica Nacional (FCCN)



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL



Parceria Portuguesa
para a Água



ASSOCIAÇÃO
PORTUGUESA DOS
RECURSOS HÍDRICOS



**Do we have available
physic facilities?**



Physic main facilities

- Yes, we have enough office space.
- 2 auditoriums (400+100 seats).
- 6 class rooms (from 20 to 80 seats).
- 1 large library
- Several working spaces.



Congress centre



Main auditorium



Class rooms



Library



**Do we have available
technological facilities?**



Technological facilities

- Yes, we have several research and experimental facilities.
- Certified laboratories and testing halls.
- 2 videoconference rooms.
- 1 video/broadcasting centre.



Research facilities



Laboratories



Videoconference



Broadcasting



**Do we have available
other support facilities?**



Support facilities

- **Yes, we have several support facilities:**
 - Students accommodation (up to 20).
 - Coffee areas and lunchroom.
 - Access to medical care.
 - Access to a kinder garden.
 - Outdoor exercise facilities.



Lunchroom



Accommodation



Medical care



Kinder garden



Outdoor facilities



**Do we have financial
support?**



Financial support

- **No, but we have candidatures:**
 - **Submission of a candidature to the National Agency for Innovation ANI (Out 2016).**
 - **Submission of a candidature to UE Teaming from DGResearch (2017).**
 - **Potential submission of a candidature to Laboratório Colaborativo (CoLAB) to FCT (2017).**



Lisbon International Centre on Water



LIS-water

An international centre of
excellence for public policies
and regulation on water
services and water resources

Let's convert the project in reality!
Lis-Water is a inclusive project.
All the contribution are welcome.
Bring your ideas to the project.