



Oficinas Colaborativas

Conhecimento Transdisciplinar



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL

Organic framework

Collaborative Knowledge Transdisciplinary Lab (Collaborative HotSpot)



is a resource from



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL

developed in the Urban & Territorial Studies Unit
(Building Department)



NÚCLEO DE ESTUDOS URBANOS E TERRITORIAIS
Departamento de Edifícios



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What is it?



Is a **creative environment (Living Lab)** available to Lnec and other Research & Non-Research communities that provides **collaborative experiences** towards

- a) The definition of Problems & Solutions to address both in cross-cutting research design and operational issues (**collaborative approach**)
- b) “Knowledge Alliances” between scientists and non-scientists oriented to relevant and “hands on” Knowledge co-production (**transdisciplinary approach**)
- c) Facilitation of products, processes and services co-design (under LNEC mission and strategy framework issues)



What do we do?



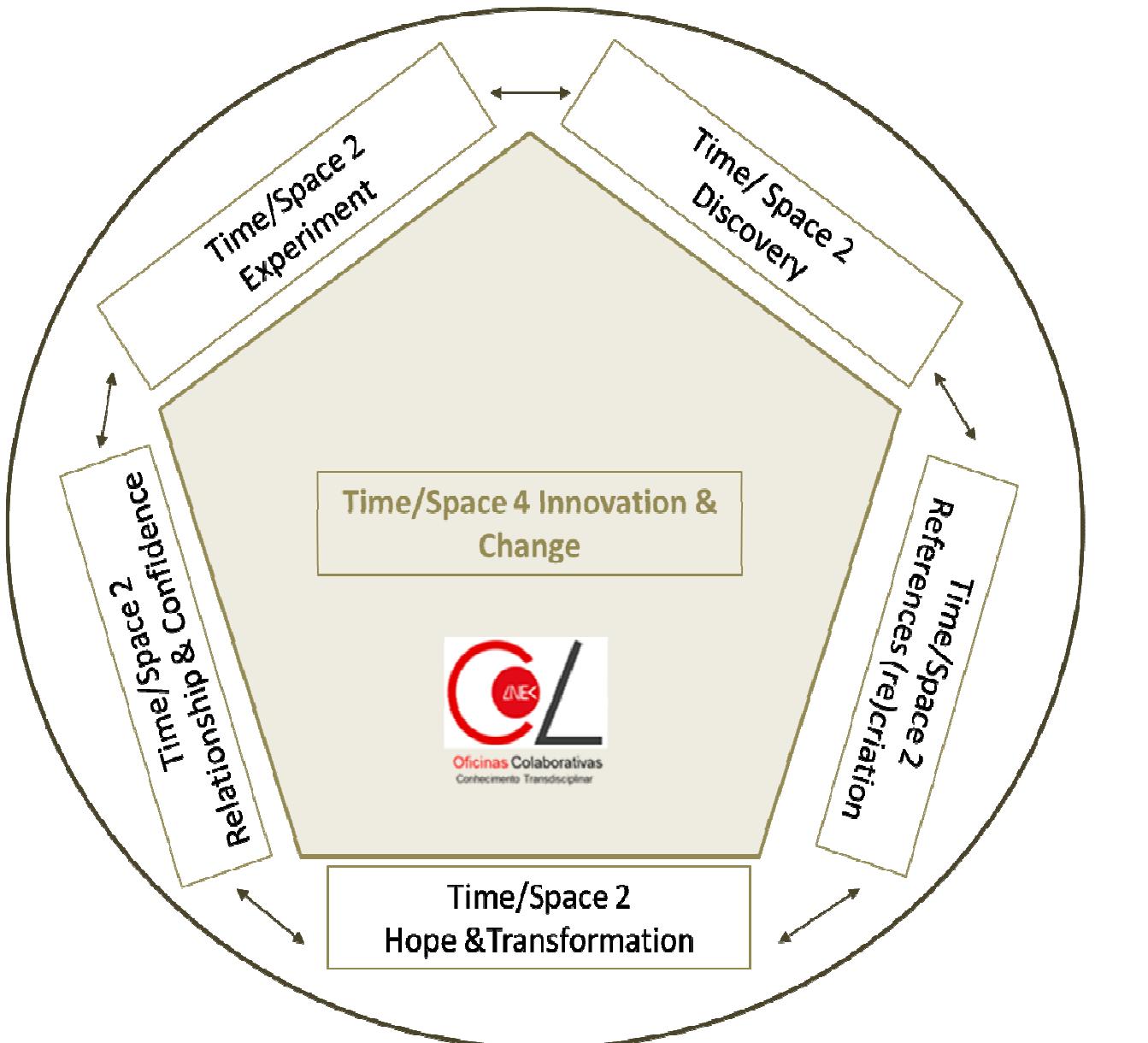
- Collaborative Workshops, Living Labs, Design Thinking events, ...
- Think-tanks and support to **strategies conception, decision making and comprehensive evaluation of Public Policies** that may be demanding of systemic approaches to complex and/or wicky problems and collaborative governance frameworks
- **Experimental development** of products, processes and services
- Research on collaborative **roadmaps and tools design**
- **Tecnical Support, Coaching, Mentoring, Training & Cross-Learning**

How does it work?



- **Tailor Made**
- **Roadmaps & Storyboards**
- **Ws and CoP Facilitation & Animation**
- **Ethic Code**
- **Data Organization & knowledge co-production synthesis**
- **Reporting**
- **Networking & Follow-up**

Collaborative Dynamics Framework in use



Afective Proxys

Shared
Reference
Frameworks

Energy

Materialities

Portfolio of Projects



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Collaborative Approaches applied to:

- **Decision making on Project and/or strategies design**
 - 2013 - Estratégia de Investigação e Inovação LNEC 2013-2020
 - 2014 - *Strategic Day*: Capacitação e sentidos possíveis para e na acção do DHS – CMCascais
 - 2015 – PT Partipa – Roteiro para elaboração de um PDL Participado (CMPorto)
 - 2016 – PT Partipa – Roteiro para a promoção da revisão de um PDM participado (CMOdemira)
 - 2017 – SMEA – Estratégia Alimentar Participada e Partilhada (CMMontemor-o-Novo)
 - 2017 – LisWater – *Center of Excelence Business Model* (EU Teaming)
 - 2017 – Debates Públicos da Nova Geração de Políticas de Habitação (SEH)



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Portfolio of Projects



Collaborative Approaches applied to:

- **Projects, Intervention Initiatives and/or events engaging stakeholders and/or citizens**
- 2013 – TRUST: *Transitions to the Urban Water Services of Tomorrow - Roadmap dos Sistemas Urbanos da Água para a Região do Algarve* (EU)
 - 2014-16 – Life-Hymemb: *Tayloring Hybrid membrane processes for sustainable drinking water production*" (EU Life)
- 2015- ... – BINGO: *Bringing INnovation to onGOing water management - a better future under climate change*" (H2020)
 - 2016... GOVINT – Grupo de Trabalho Abordagens Colaborativas
- 2016 – ConDomus – Gestores de Entrada do Parque Habitacional Camarário do Porto (Domus Social Porto)
- 2016 – Comportamentos Aditivos e Dependências em Lisboa: Plano Municipal de Intervenção (CMLx)
- 2017 – Forum Cidadão #1 Como fazer ouvir-nos melhor? (Forum Cidadãos)
 - 2017 – Não-Conferência Migrações – Pastoral junto Comunidades LP na Europa (OCPM: Obra Católica Portuguesa de Migrações)
- 2017- ... – “Life_IMPETUS: *Improving Water Quality step by step*” (EU Life)
 - 2017 - ... – Intervenção no Território da Anunciada (CMSetúbal)



Portfolio of Projects



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Collaborative Approaches applied to:

Learning, capacity building & skills development

- 2015 – Oficinas de Capacitação para “Animação Territorial & Agentes de Coesão” AGECTA (Agencia para a Coesão Social dos Açores)
- 2016 - YELP: *Young European learning about Politics*” (Erasmus +)
- 2016-2017 – Oficinas no âmbito da Semana Reabilitação Urbana
- 2017 – Não Conferência “Abordagens Colaborativas 3D... Dos Planos aos Cubos” (GOVINT)
 - 2017 – Oficina “Social Engagement & Innovation” (EIP Porto)
 - 2017 – Oficina “Governação Integrada: o Novelo”, (NIL's / Rede Social Inter-Concelhia Setúbal)
- 2018 – Colaboratórios (IV Conferência Internacional Fórum GOVINT)



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Exemples of Collaborative Tools

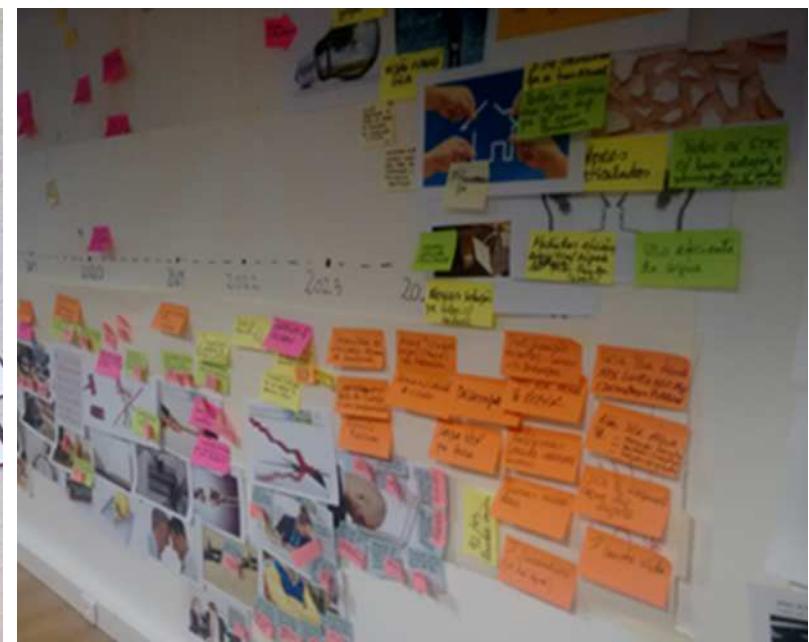
(i.e Setting the Scene, Walkthrough, Mappings, Mind Maps, Why's Root, Swot in RWC, PESTLE, Expectation Tree, Visioning, Backcastings, Roleplaying, Ideating, Roadmaps, Storyboards, Shopping, Voting, AHP, Prototyping ...)



Personas



Ideas Rope



Backcasting

Exemples of Collaborative Tools

(i.e Setting the Scene, Walkthrough, Mappings, Mind Maps, Why's Root, Swot in RWC, PESTLE, Expectation Tree, Visioning, Backcastings, Roleplaying, Ideating, Roadmaps, Storyboards, Shopping, Voting, AHP, Prototyping ...)



Lego | PESTLE



MindMaps



Mapping



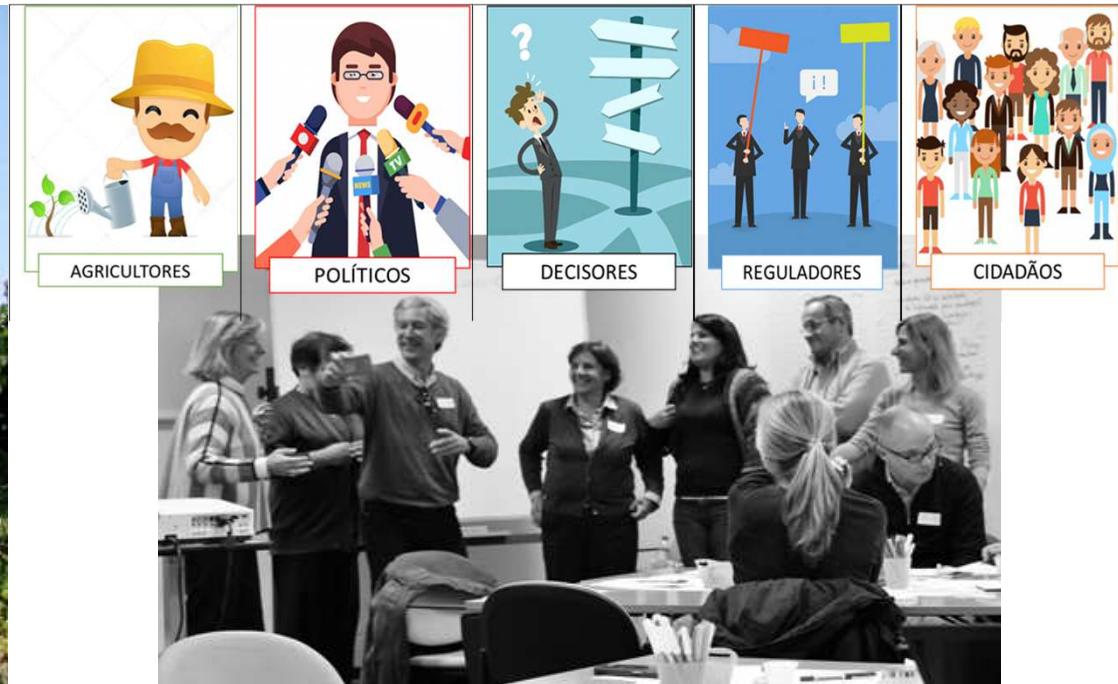
SWOT | RWC | Shopping

Exemples of Collaborative Tools

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Walkthrough



Roleplaying

Exemples of Collaborative Tools

(i.e *Setting the Scene, Walkthrough, Mappings, Mind Maps, Why's Root, Swot in RWC, PESTLE, Expectation Tree, Visioning, Backcastings, Roleplaying, Ideating, Roadmaps, Storyboards, Shopping, Voting, AHP, Prototyping ...*)



Ideating | Co-Design

Exemples of Collaborative Tools

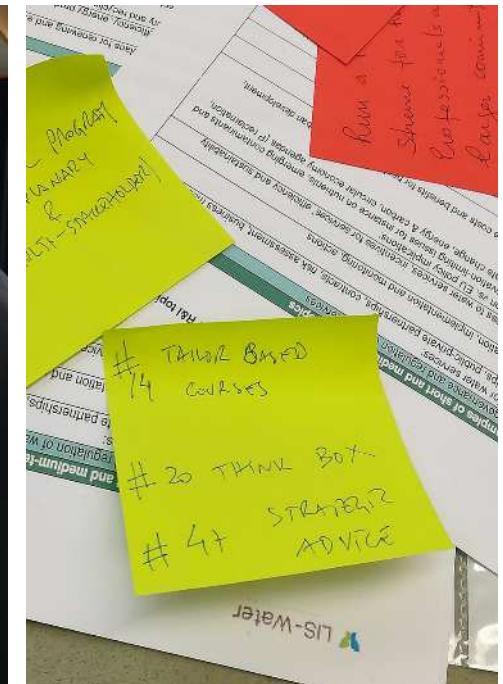
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Prototyping



Shopping



Post-it IN

Exemples of Collaborative Tools

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Inspiring

Connecting

Engagement

Co - Productions

Contacts



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