

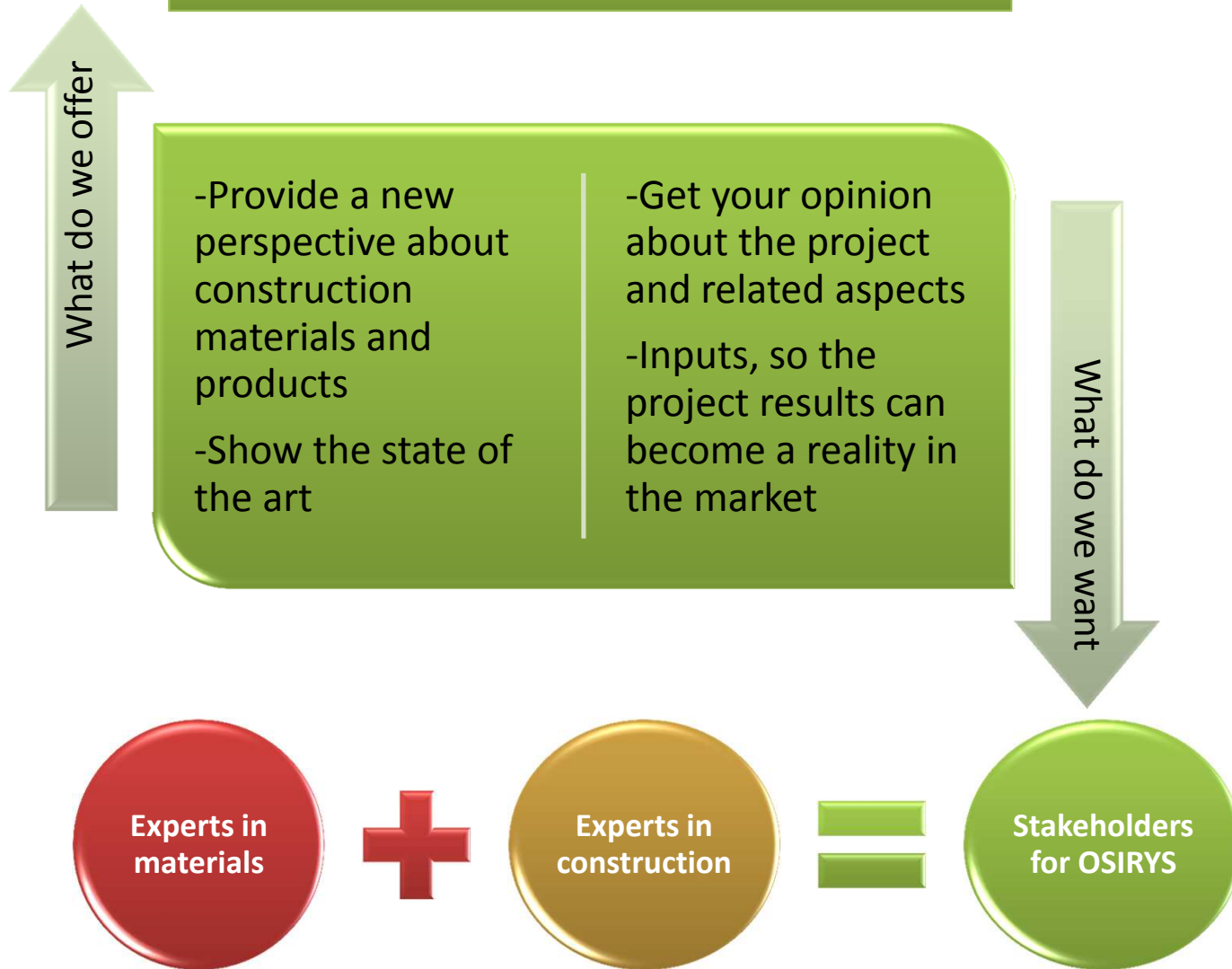
STAKEHOLDER PANEL MEETING



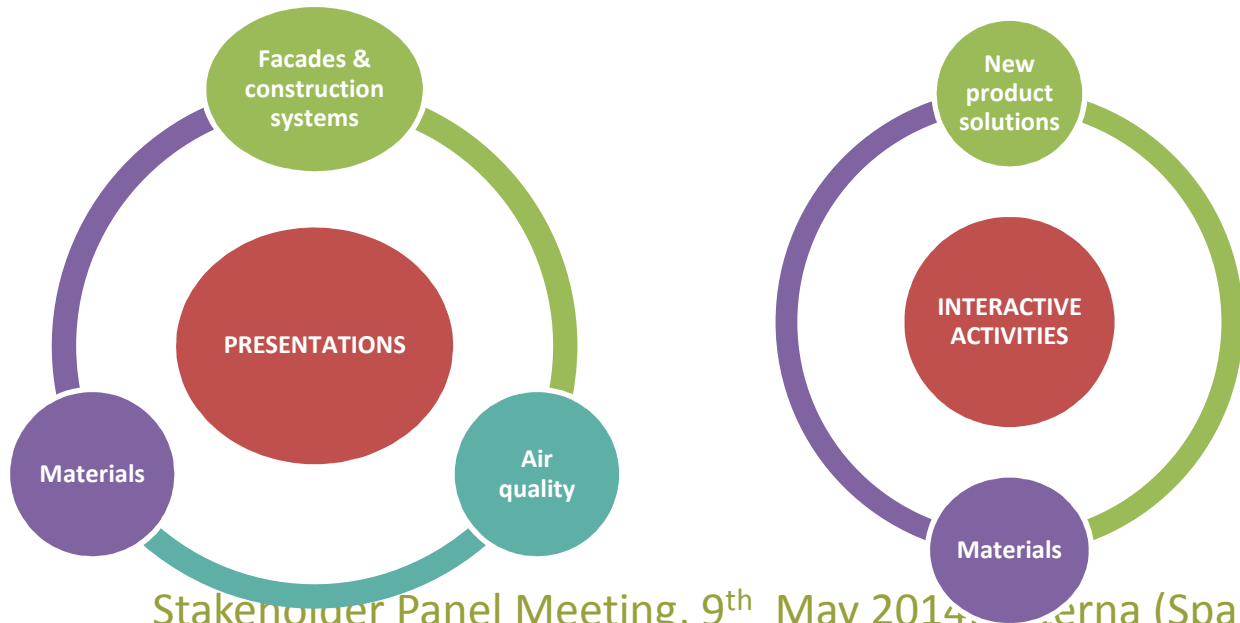
Miriam García
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TECNALIA

Why a Stakeholder panel meeting?

A opportunity to exchange concept and ideas



From	To	By	Institution	Title
09h30	13h30			Stakeholder Panel Meeting
09h30	10h00	Miriam García	TECNALIA	Welcome Presentation of the meeting and the assistants Overview of OSIRYS: new Eco solutions
10h00	10h20	Rob Henderson	UNSTUDIO	New demands and solutions for the facade
10h20	10h40	Anna Widheden	IVL	Importance of Indoor Air Quality
10h40	11h00	Markku Leivo	VTT	Recent development of building materials
11h00	11h20	Julen Astudillo	TECNALIA	In which construction systems can Eco-solutions be used?
11h20	11h45			Coffee break
11h45	12h30	Rob Henderson	UNSTUDIO	Round table: What is expected from a new Eco-solution in architecture? Analysis of targets, requirements, construction systems, etc.
12h30	13h15	Javier Sacristán	ACCIONA	Round table: Are polymer composites substitutive of traditional materials in construction?
13h15	13h30	Miriam García	TECNALIA	Closing remarks
13h30	15h00			Lunch at AIMPLAS



Satisfaction survey

Stakeholder Panel Meeting, 9th May 2014, Alcañices (Spain)



OSIRYS PARTNERS

COUNTRY	COMPANY	EXPERTISE IN OSIRYS
SPAIN	TECNALIA	Composites, claddings
SPAIN	ACCIONA	composites
FINLAND	VTT	Foam materials
GERMANY	FRANHOFFER	coatings
SPAIN	AIMPLAS	composites
SWEDEN	IVL	Indoor air quality
SWEDEN	MALMOE Town Hall	Demo building
GERMANY	TECNARO	biopolymers
UK	NET COMPOSITES	Composites, exploitation & dissemination
HUNGARY	OMIKRON	Composite manufacturing
ITALY	COLLANTI CONCORDE	Adhesives and sealants
FINLAND	CONENOR	Composite manufacturing
NETHERLANDS	UNStudio	Architecture
PORTUGAL	AMORIM	Cork manufacturing (composites)
SPAIN	ENAR	Architecture and engineering
POLAND	BERGAMO TECNOLOGIE	Facade manufacturing
SPAIN	VISESA	Demo building
GERMANY	SICC	Coatings manufacturer

OSIRYS



OVERVIEW OF OSIRYS: NEW ECO-SOLUTIONS



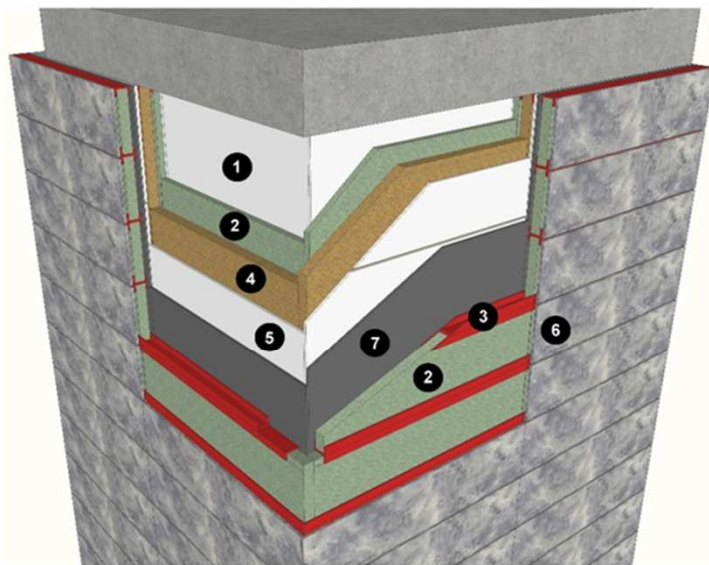
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FOREST BASED COMPOSITES FOR FAÇADES AND INTERIOR PARTITIONS TO IMPROVE INDOOR AIR QUALITY IN NEW BUILDS AND RETROFITTING ACTIONS (2013-2017)

Goal of the project

To improve indoor environmental quality and energy-efficiency by developing forest based biocomposites and products for facades and interior partitions to be applied in retrofitting and new building construction

BIOPOLYMERS
BIOFIBRES



- 1 Multifunctional layer
- 2 Light foam panel
- 3 Biocomposite profiles
- 4 Cork based panel
- 5 Fire resistant panel
- 6 Weathering resistant outdoor panels
- 7 Waterproof membrane

- Photocatalytic activity indoor
- Transpirability and insulation
- Mechanical performance
- Insulation
- Fire resistance
- Weatherability



Material

Design

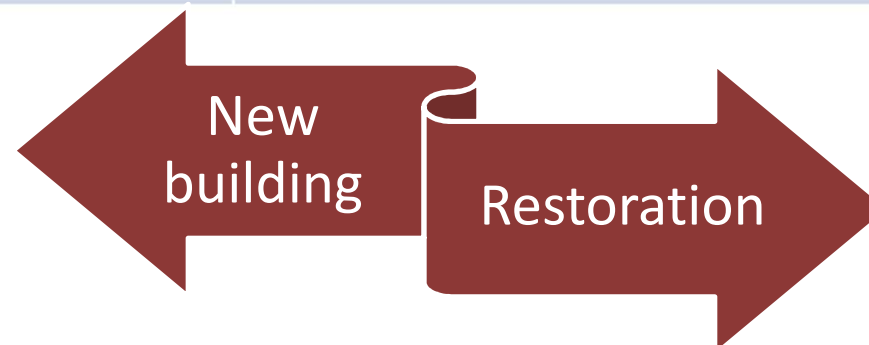
Product

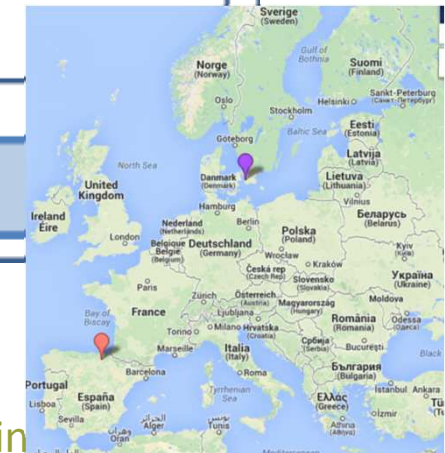
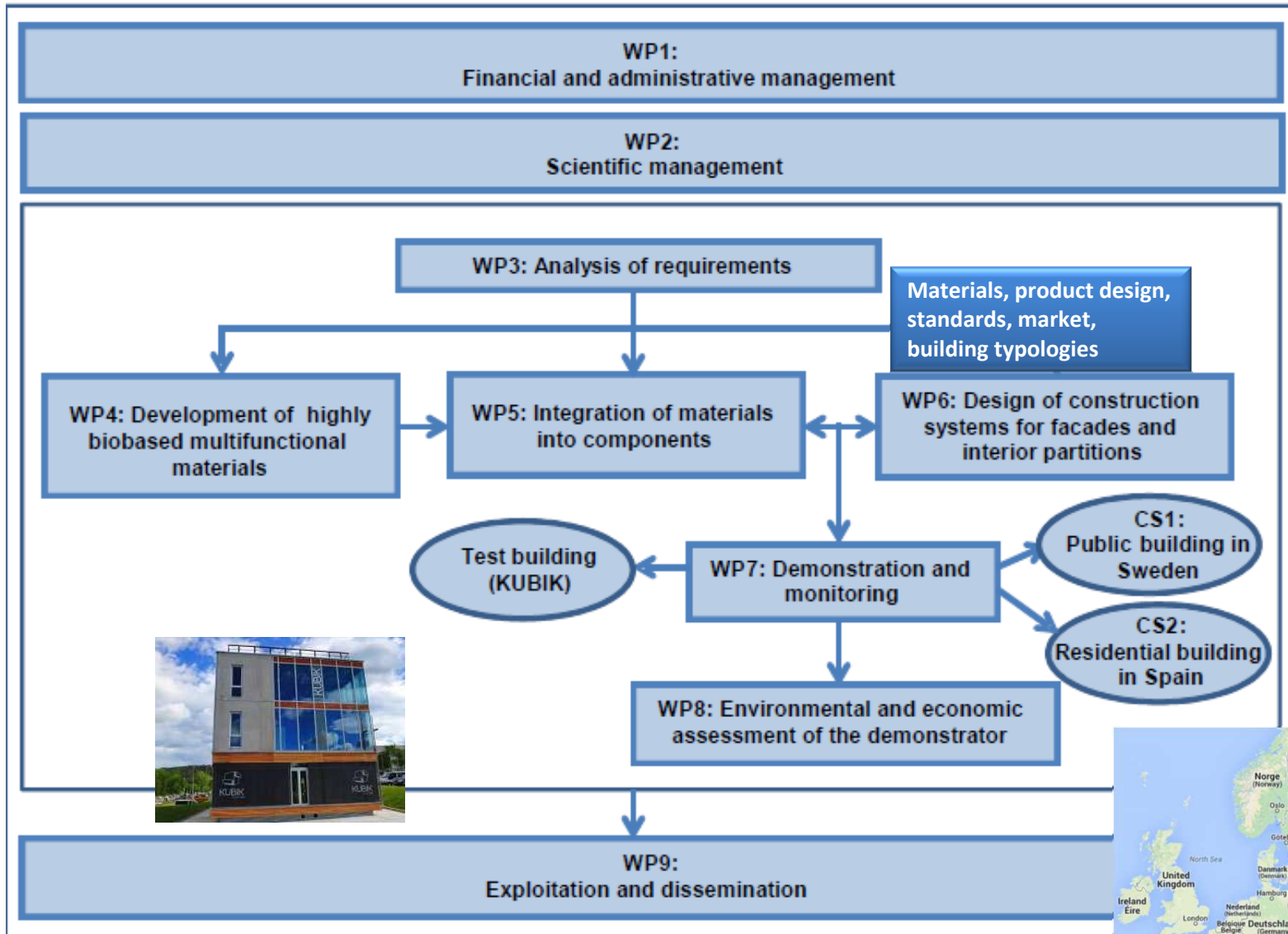
ECO

Multilayer facade
Light facade (curtain wall, windows)
Interior partitions

Added value of the project

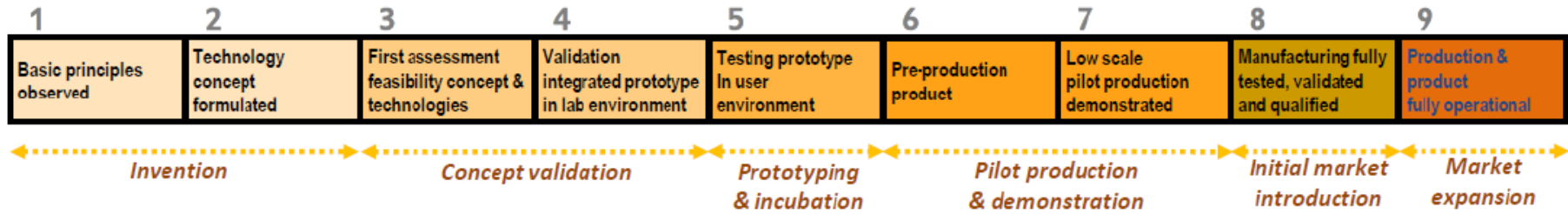
Advantage	Comments
Elimination of indoor contaminants	Healthier spaces
Improvement of energy-efficiency	Reduced embodied energy of materials Better acoustic and thermal insulation
Safety in case of fire	Partitions must accomplish reaction to fire standards Facades must accomplish reaction and resistance to fire
Breathability	By controlling foam density in foam panels
Hollistic solution	Development of a “Lego” based industrialized solution As a whole for multilayer envelopes and divided into parts for partition walls, curtain walls and windows Target: residential buildings, tertiary buildings (offices, shops, etc) and administration





Stakeholder Panel Meeting, 9th May 2014, Paterna (Spain)

TECHNOLOGY READINESS LEVELS (TRL) – MANUFACTURING



Thank you for your attention

