



European
Commission

Horizon 2020
European Union funding
for Research & Innovation



**Rethinking coastal defence and Green-energy Service infrastructures through
enHancEd-durAbiLity high-performance cement-based materials**

WP9._Dissemination and exploitation of Results

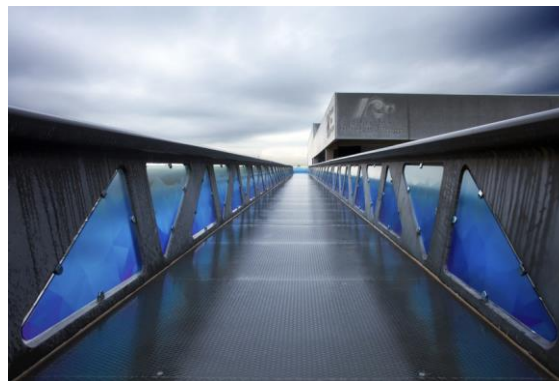
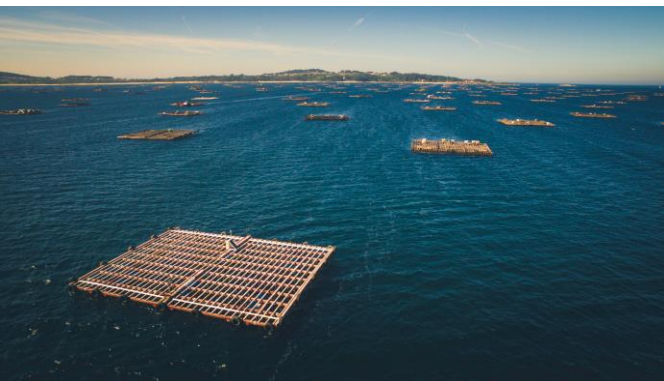
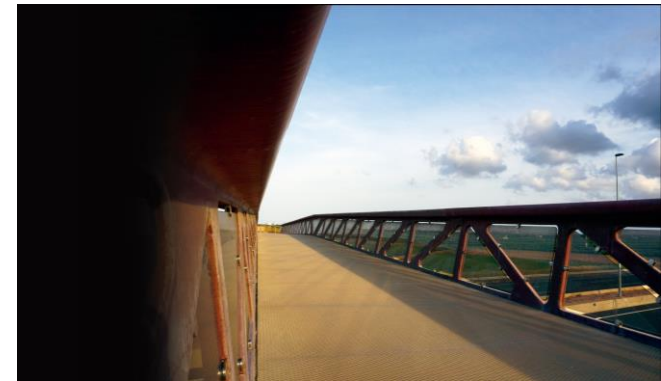
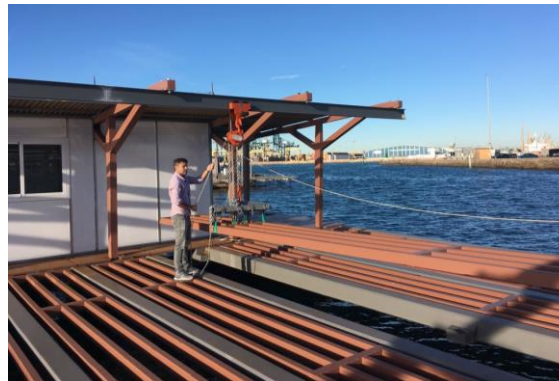
RDC (Leader)

Esteban Camacho

Partners participating: All partners

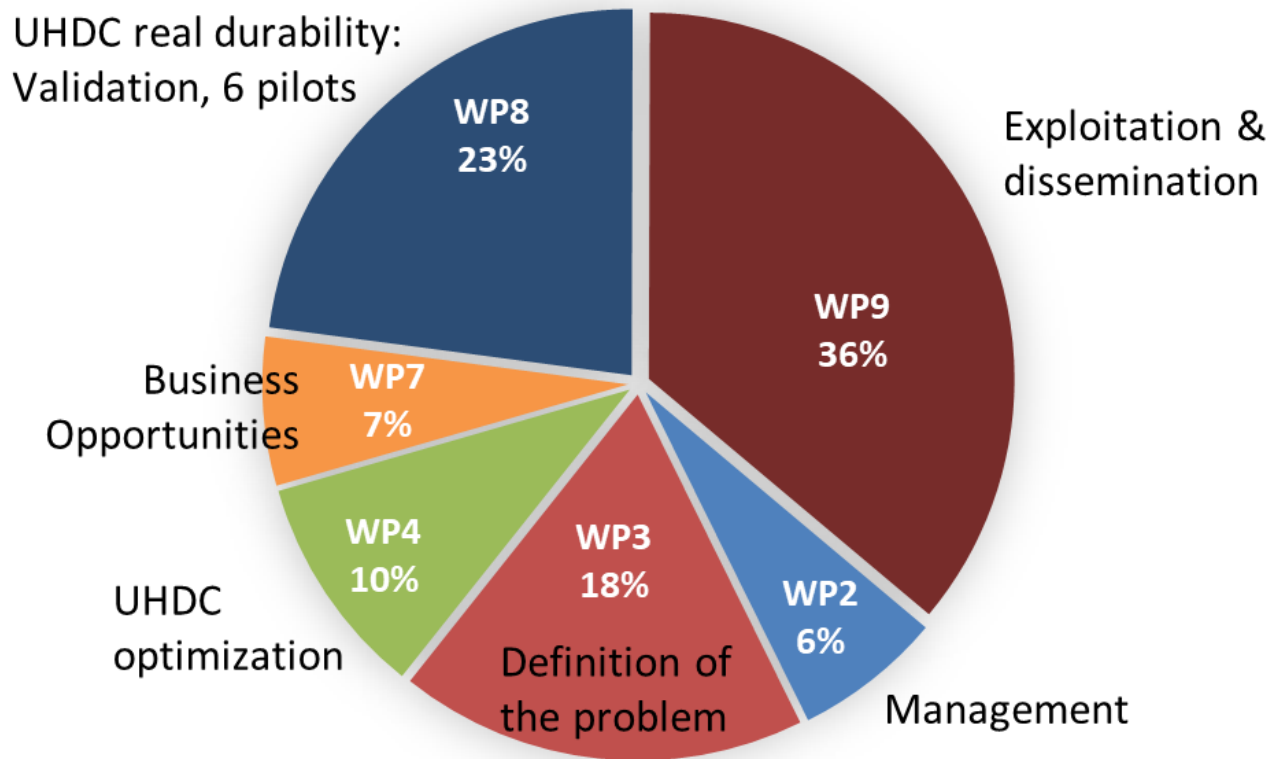
January 10th, 2018

RDC (2015) is an engineering firm specialized in advanced concretes. We cover design, calculation and production (IDIFOR).

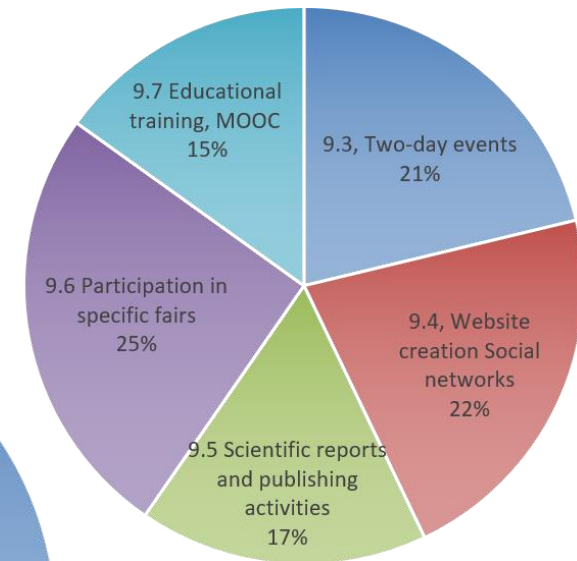
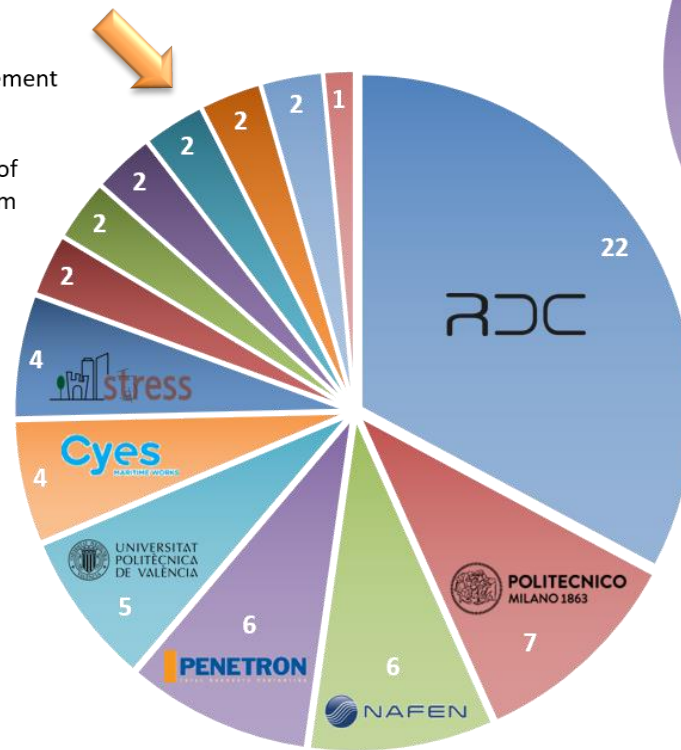
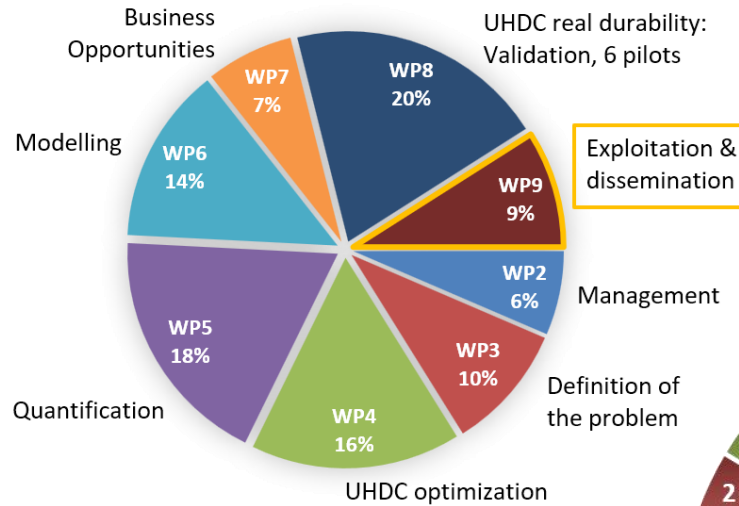


RDC in ReSHEALience

RDC time divided per WP



WP9 in numbers



Direct costs:
Personal + activities
≈8% of the total costs

WP9 objectives

- Set the path to deliver the UHDC innovations to the market and transmit the project developments to the potential customers, scientific community and other stakeholders.
- Maximize the impact of the actions coordinated in other WPs.
- Demonstrate implementation to the CE

If a project is not well implemented: Communication can save the face

If a project is well implemented: Communication can lead to excellence

Specific objective 5 (KPI5): 300 new subscriber/year to the newsletter (total: 1200)

WP9 implementation strategy

- Periodic update of the PEDR
- Coordinate an IPR strategy that ensures business sustainability.
- Confer visibility to the demonstrations, results achieved and potential of the products developed, linking TRL6 and future market.
- Influence the decision-makers and promote their feedback, including the scientific sectors.
- Train future engineers in the field of durability and UHDCs
- Support other WPs:
 - T9.2/9.3 share the meetings with WP2
 - T9.6 facilitates WP8 monitoring
 - T9.2/9.5 provide input for WP7
 - WP9 promotes cooperation to support WP4, WP5 and WP6

WP9 timeline. Tasks and partners

Leading partner	TASK		year 1				year 2				year 3				year 4			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
RDC	9.1	Continuous update of the PEDR (Plan for Exploitation and Dissemination of Results)	D					D						D				D
RDC	9.2	IPR management (in collaboration with WP1 Task 1.3)																
UPV	9.3	Yearly two-day events in conjunction with committee meetings				M												
RDC	9.4	Website creation, management and development and social networking activities	D											M				
RDC	9.5	Scientific reports and publications	D									D						D
Penetron	9.6	Participation in specific fairs and conferences																
PoliMi	9.7	Educational and technical training and public conscience awareness rising activities										D						D M

D 9.1 – Plan for Exp. & Diss. of Results

D 9.2 - Website www.uhdc.eu

D 9.3 - Project brochures

D 9.4 – MOOC training for professionals, students, researchers

MS 14 – 1st two-day event to present actions and results of the project (M12)

MS 15 – 1st camera activated (M36)

MS 16 – Achievement of target number of subscribers in MOOC (M48)

Expected interactions within WPs

Input:

- Relevant non-confidential knowledge and activities performed at **WP3** to **WP8**.
- Audio-visual material from the six pilots of **WP8**
- Exploitable results as a consequence of developments from **WP3** to **WP8**.

Output:

- Reach other stakeholders that can enrich **WP3** with more info about problems in aggressive conditions
- Structured IPR strategy for an adequate focus of the **WP7**.
- Interaction with stakeholders that will provide info to develop **WP7** and guide the management (**WP2**) strategy to be market-oriented

Strategy to reach the objectives

Task 9.1

- **D9.1 Plan for Exploitation and Dissemination of Results – Leader: RDC [M3, updated at M18,36,48]:** Related to *task 9.1 “Continuous update of the PEDR”*

Exploitation Plan (part of PEDR): List of the exploitable results and the risk analysis. Aligned with WP7

Definition of exploitable results + exploitation methods during/after the project, in accordance to T9.2.

Definition of the IPR protection actions to adopt to focus communication and set the path for exploitation.

Identification of actions needed to implement clustering with other projects.

Dissemination Plan (part of PEDR): Implementation of the scientific reports, trainings, MOOC...

Strategy to reach the objectives

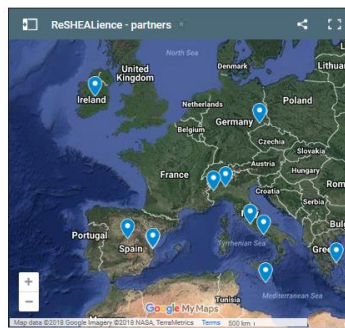
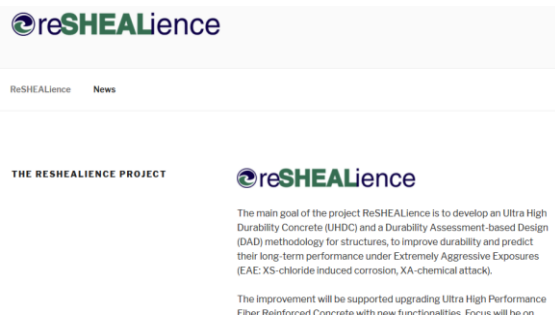
Task 9.4

- **D9.2 Website www.uhdc.eu - Leader RDC [M3, periodic update]:** Related to **task 9.4**
“Website creation, management and development and social networking activities”

Main platform to upload project contents (activities, newsletters, brochures, public reports, link to scientific papers) and link the sources with additional information. Public results will be uploaded and updated.

The site will be promoted in social networks, websites of the beneficiaries, brochures and fairs

- **MS 15 – 1st camera activated (M36)**



CONTACT US

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RESHEALIENCE

Rethinking coastal defence and green Energy Service infrastructures through enhanced durability high-performance fiber reinforced cement based materials.



This project has received funding from the European Union's Horizon H2020 research and innovation programme under grant agreement N° 760824

Strategy to reach the objectives

Task 9.5

- **D9.3 Project brochures - Leader RDC [M3, update M28, M48]:** Related to *task 9.5*
“Scientific Reports and Publications”

Used to explain the project objectives and show the progressive project output in all WP9 activities

RESHEALIENCE is a project with a duration of 48 months, starting in January 2018, and a budget of €507,955,041.

> GENERAL OBJECTIVES

1. Increase significantly the durability of concrete to decrease maintenance and reduce consumption of resources. This innovative and sustainable material is defined as Ultra High Durability Concrete (UHDC).
2. Quantify and predict the durability of UHDC structures in different service conditions when subjected to Extremely Aggressive Exposures (EAE).
3. Validate the capacity of the UHDC and the new developments, through 6 pilots (TRL6-TRL7) covering two strategic sectors (SS) where the material is expected to add high value and generate large impacts.

The project is oriented to support two EU strategic priorities (SP):

BLUE GROWTH

The development of the high blue economy potential is promoted with pilot 3 (Offshore energy, enhancing wind, wave and tidal), pilot 4 (aquaculture infrastructure) and pilot 6 (coastal protection).

GREEN GROWTH

Move towards an energy efficient economy is faced through applications for governmental and business power plants (Pilot 1, 2), and efficient use of resources retrofitting of existing structures (pilot 5).

> 14 PARTNERS

APPIE, BANAGHER, Bascos, CSIC, Cyes, enel, ENGIN, NABEN, PENETRON, ROUTECHO, RDC, RILSTRESS, TECHNISCHE UNIVERSITÄT DRESDEN, UNIVERSITÀ DI TRIESTE

> WORK PACKAGES

1. Project management (Leader: Public)
2. Refining the UHDC in R&D (Leader: CONN)
3. Concept and development of UHDC (Leader: UPA)
4. Quantification of UHDC improved long-term durability performance (Leader: CSIC)
5. Modelling long-term durability of UHDC materials and structural structures (Leader: TUD)
6. Business opportunities of the developed UHDC materials and structural structures (Leader: STRES)
7. Validation and proof of concept in real-life conditions (Leader: UPA)
8. Dissemination and exploitation of results (Leader: RDC)

RESHEALIENCE
Ultra High Durability Concrete

Rethinking coastal defence and green Energy Service infrastructures through enHancEd durAbility high-performance fiber reinforced cement based materials

760824-H2020-NMFP-2016-2017, RIA

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> 5 KEY PERFORMANCE INDICATOR
FOR EACH SPECIFIC OBJECTIVE AND ITS TARGET VALUE

KPI 1a	KPI 1b	KPI 2a	KPI 2b	KPI 3	KPI 4	KPI 5
100%	30%	30%	50%	75%	8	300
CONCRETE DURABILITY	CONCRETE DURABILITY	CONCRETE DURABILITY	CONCRETE DURABILITY	CONCRETE DURABILITY	CONCRETE DURABILITY	CONCRETE DURABILITY

> MAIN MILESTONES

Key-off meeting, M1.1 Definition to perform LCA, LCC and SLCA, M1.1 UHDC Formulation, M1.1 Pilot A/B, M1.1 LCA/DAD developed, M1.2 Availability of LCA, LCC, SLCA, M1.2 First monitoring assessment, M1.2 Results from Strategy/Business Model, M1.2 LCA/DAD verification based on WP7, M1.3 Final reporting

> 6 PILOTS

1. Landed (Italy)	2. Landed (Italy)	3. Landed (Italy)	4. Landed (Italy)	5. Landed (Italy)	6. Landed (Italy)
Coastal tower. Multi-functional tower is critical due to the fast agglomeration and structural loads.	Coastal tower. Multi-functional tower is critical due to the fast agglomeration and structural loads.	Coastal tower. Multi-functional tower is critical due to the fast agglomeration and structural loads.	Coastal tower. Multi-functional tower is critical due to the fast agglomeration and structural loads.	Coastal tower. Multi-functional tower is critical due to the fast agglomeration and structural loads.	Coastal tower. Multi-functional tower is critical due to the fast agglomeration and structural loads.

Strategy to reach the objectives

Task 9.7

- **D9.4 MOOC training schools for professionals, PhD students, researchers -**

Leader: PoliMi [M28, M48]: Related to **task 9.7** “*Educational and technical training and public conscience awareness rising activities*”

45-h Massive Open Online Course through the site www.uhdc.eu. This will open the material to students, future engineers and society from the entire world, maximizing the impact.

Three streaming video-conferences will be displayed and Webinars will be used as a dynamic tool to interact with the students.

- **MS 16 – Achievement of target number of subscribers in MOOC (M48)**

Coordination in WP8

- **Mailing list** with all task leaders and partners for planning, actions, review and contingencies
- **Bilateral** periodic **mailing** to leaders to add possible communications
- Exploitation: **IPR Committee** every 6 months (face-to-face or skype)
- Specific group for the management of the **MOOC**
- **2-day events** (yearly) will be used also



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Partners participating: All partners

January 10th, 2018