

The HARP project: origins and objectives



National Expert Forum – first meeting
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Marco Calderoni – R2M Solution
www.r2msolution.com

Cosa è R2M Solution

Innovation consulting: dalla ricerca al mercato

Attività legate ai progetti di ricerca

- Partenariato strategico per l'innovazione
- Consulenza progetti R&D
- Credito d'Imposta per le attività di Ricerca e Sviluppo
- Tool di supporto a pianificazione e rendicontazione
- Supporto a Audit



Commercializzazione prodotti della ricerca



Sustainability consulting



What is R2M Solution

Founded
2012

People
60
5 branches

Research
47
projects

Funds raised
266 M
Total R&D Portfolio

First time EU
30
Organizations

Consultancy
60
Building projects

European Research Ranking 2018 - Country: Italy

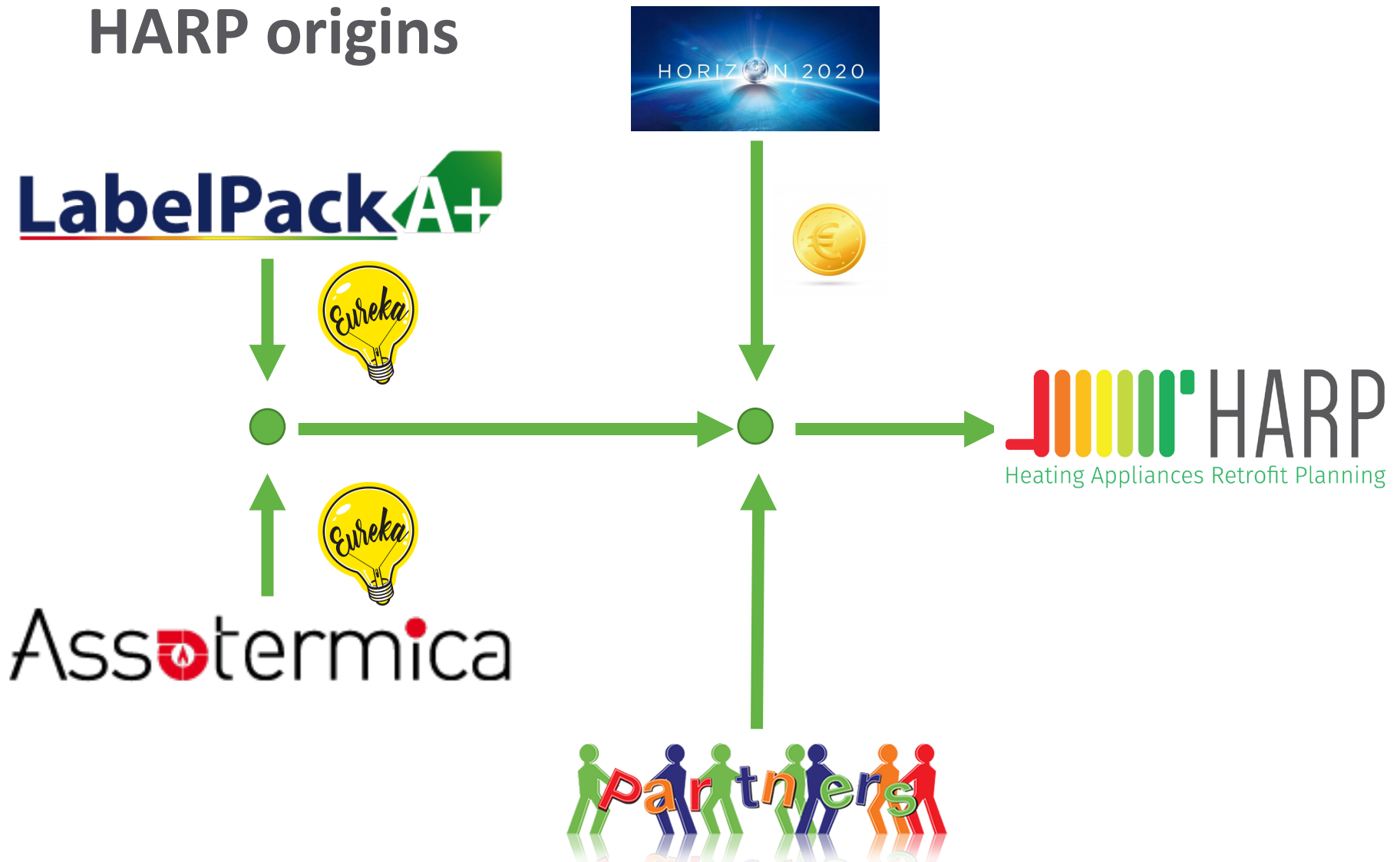
Orgtype: Criterium: Country: Year:

Overall Score:

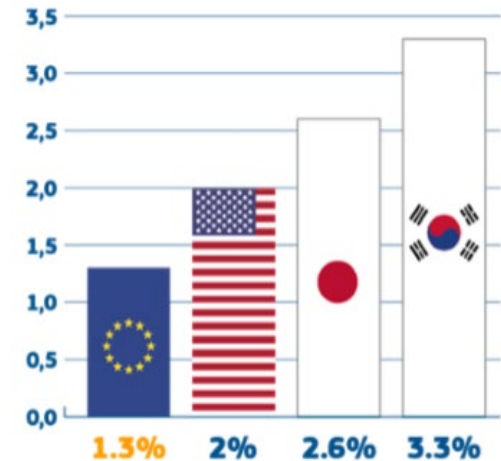
| Rank | Organization | Score | Country |
|------|--|-------|---------|
| 1 | CONSIGLIO NAZIONALE DELLE RICERCHE | 47.22 | Italy |
| 2 | UNIVERSITY OF BOLOGNA | 27.47 | Italy |
| 3 | POLITECNICO DI MILANO | 18.11 | Italy |
| 4 | POLITECNICO DI TORINO | 16.06 | Italy |
| 5 | UNIVERSITA DEGLI STUDI DI TORINO | 13.18 | Italy |
| 6 | FONDAZIONE PENTA-FOR THE TREATMENT AND CARE OF CHILDREN WITH HIV-ONLUS | 11.52 | Italy |
| 7 | RINA CONSULTING SPA | 11.49 | Italy |
| 8 | ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA | 11.42 | IT |
| 9 | UNIVERSITA DEGLI STUDI DI PADOVA | 11.07 | Italy |
| 10 | LEONARDO - SOCIETA PER AZIONI | 10.68 | Italy |
| 11 | UNIVERSITA DEGLI STUDI DI MILANO | 9.57 | Italy |
| 12 | R2M SOLUTION SRL | 9.15 | Italy |
| 13 | FONDAZIONE BRUNO KESSLER | 9.02 | Italy |
| 14 | UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA | 8.72 | Italy |
| 15 | UNIVERSITA DEGLI STUDI DI TRIESTE | 7.93 | Italy |



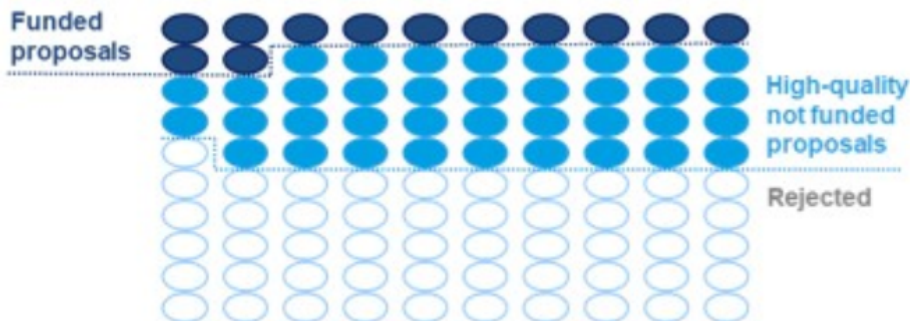
HARP origins



HARP origins: HORIZON 2020



The programme is **ATTRACTIVE** but **less than 1 in 3 high-quality proposals are funded**: additional **€116 bn** would have been needed to fund them all



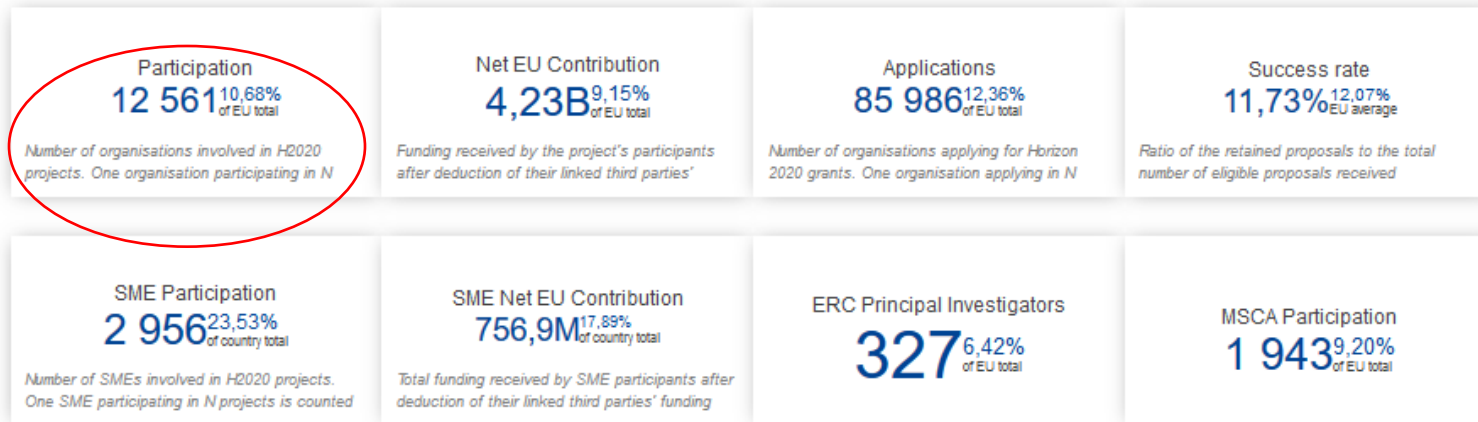
200,000 proposals (twice as much per year compared to the predecessor programme FP7)

12% of them **received funding**

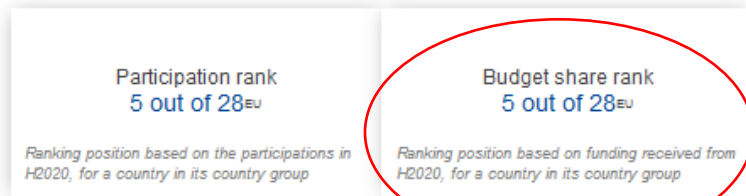
83% of projects declare they **would not have gone ahead** without EU funding

HARP origins: HORIZON 2020

Horizon 2020 Key Figures



Participation in Horizon 2020

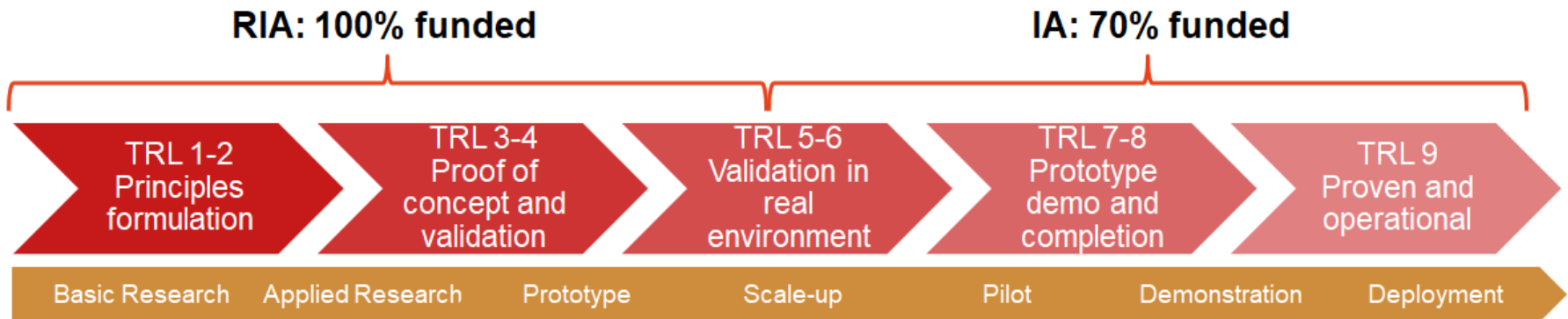


Italian participation in H2020

Participations by region (NUTS 3)

HARP origins: HORIZON 2020

- Research&Innovation Actions: **create new** know-how and technologies
- Innovation Actions: more specific and **close-to-market actions**, development and optimization of processes, technologies and solutions



- Coordination and Support Actions: research **support** measures (standardization, dissemination, creation of networks and partnerships, homogeneous EU policies, capacity building, strategic actions)
- EIC Accelerator (Ex SME Inst.): meant for highly innovative SMEs and **start-ups** (innovative products, services or business models)

After H2020: HORIZON EUROPE

Adoption timeline

- **2 May 2018**
The Commission adopts its proposal for the next EU long-term budget
- **7 June 2018**
The Commission adopts its proposal for Horizon Europe
- **2019-2020**
The Council and European Parliament negotiate and subsequently adopt the programme
- **1 January 2021**
Horizon Europe is launched



Horizon Europe

Evolution of investment in research and innovation

throughout the EU framework programmes



#HorizonEU #InvestEUresearch #EUBudget



HARP origins: H2020 project LabelpackA+

Analysis of EU directives EcoDesign and Energy Labelling, especially package label (typically issued by installers)

<http://www.label-pack-a-plus.eu>



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The “package label” is the label applicable to a system, i.e., the combination of different components of a system. There can be packages of water heaters with solar; space heating equipment and of combination systems (used both for space and water heating).

[More](#)



HARP objectives

- Support introduction of labelling systems for existing heating appliances (e.g. through a dedicated APP)
- Ensure such labelling mechanisms are adequately supported by (unbiased) information about existing alternatives
- Provide feedbacks on results and impact of such mechanisms to the EC

| Paese | Meccanismo obbligatorio o volontario? | Promosso da |
|----------|---------------------------------------|--|
| Germany | Compulsory (boilers > 15 anni) | BMWl (Ministry Economy) |
| Portugal | Volunteer (under development) | ADENE (national energy agency) |
| Italy | Volunteer | Assotermica |
| Spagna | Volunteer | FEGECA (heating industry ass.) |
| France | Volunteer | Uniclima (heating industry ass.) |

Thank you for your attention!

Next speaker: Daniela Lobosco

Marco Calderoni

marco.calderoni@r2msolution.com

R2M Solution

www.r2msolution.com



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 **HARP**
Heating Appliances Retrofit Planning

The HARP logo consists of a stylized 'H' made of vertical bars in red, orange, yellow, and green, followed by the text 'HARP' in a bold, sans-serif font, and 'Heating Appliances Retrofit Planning' in a smaller font below it.