H-CLOUD Technical Community Event

March 23, 09:30 am – 12:30 pm CET

H-CLOUD

Housekeeping rules for this session

- This session will be entirely recorded and published on the H-CLOUD channels.
- All participants except speakers and moderators will be muted by default.
- If you are not a speaker, please turn off your video.
- Feel free to post your questions in the Zoom chat.
- If you would like to speak, raise your hand and wait for the moderator to give you the floor.
- If you have any technical issue, please contact the Zoom Host on the chat or send us and e-mail at: **info@h-cloud.eu**

TODAY'S AGENDA

- Intro
  - 9:30 – 9:40 Welcome and Introduction - Dr Federico M. Facca
  - 9:40 – 9:45 Introduction H-CLOUD sister project HUB4CLOUD - Dr Giovanni Rimassa
- Part I: Let's go serverless
  - 9:45 – 10:00 RADON: DevOps for Serverless-Computing - Dr Giuliano Casale
  - 10:00 – 10:15 Unikernels in Practice: A UNICORE Serverless Use Case - Xavier-Peralta
- Part II: Together at the edge
  - 10:15 – 10:30 ACCORDION: Bring Intelligence at the Edge - Dr Patrizio Dazzi & Dr Konstantinos Tserpes,
  - 10:30 – 10:45 PLEDGER: Security in Cloud-Edge Environments - Dr Olga Segou,
  - 10:45 – 11:00 OpenNebula: Introducing ONEedge, OpenNebula's Edge Computing Initiative - Dr Marco Mancini
  - 11:00 – 11:15 Digital for Planet: Green Cloud, Edge, IoT under Horizon Europe - Dr Monique Calisti,
- Part III: We are optimising Cloud
  - 11:15 – 11:30 PLEDGER: Automated benchmarking for Cloud - Gabriele Giammatteo,
  - 11:30 – 11:45 MORPHEMIC: Cloud modelling - Dr Kyriakos Kritikos & Marta Różańska,
  - 11:45 – 12:00 MORPHEMIC: Cloud optimisation - Dr Geir Horn & Marta Różańska,
- Conclusion
  - 12:00 – 12:25 Cloud Community Q&A
  - 12:25 – 12:30 Conclusion & Outlook

H-CLOUD

Technical Community Event

Welcome and Introduction

Dr Federico M. Facca

H-CLOUD project coordinator,
CTO Martel Innovate

March 23, 09:30 am – 09:45 am CET

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WELCOME AND INTRODUCTION

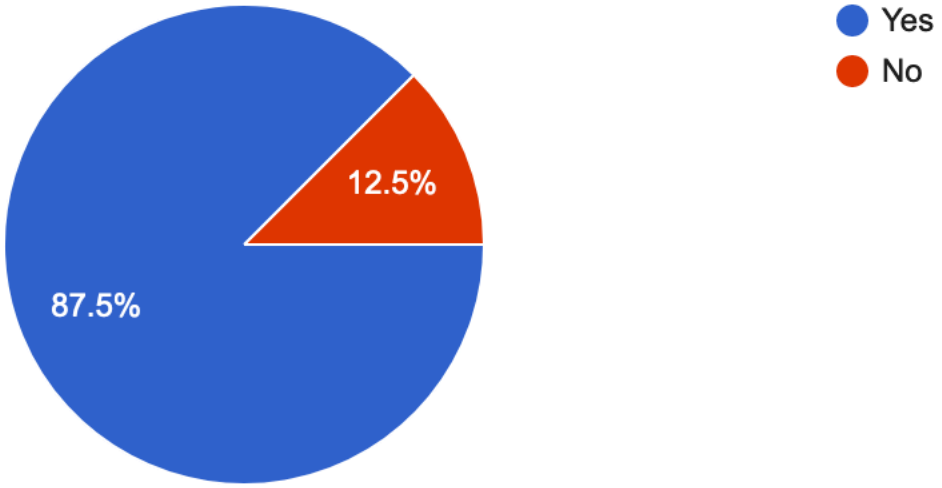
Federico M. Facca – Martel Innovate

WHERE DO WE WANT TO GO FROM HERE?

SMALL SURVEY

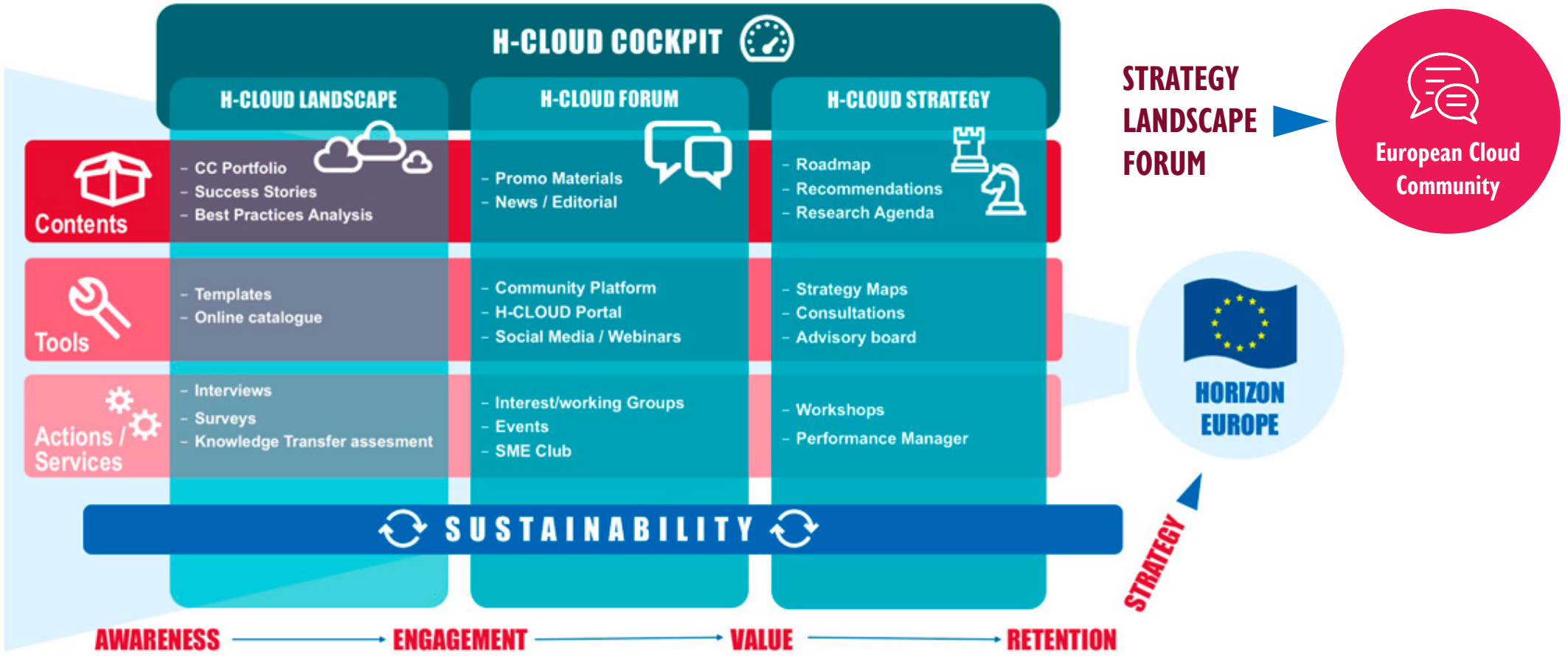
12. H-CLOUD is considering to facilitate monthly meetings to discuss recent technical Cloud topics raised by the H-CLOUD community. Would you be interested in presenting your technical project findings (60 mins presentation/demo & Q&A) during one of these monthly meetings?

8 responses



H-CLOUD STATUS UPDATE

ACTIVITIES & OUTCOMES



TOWARD H-CLOUD WHITE PAPER

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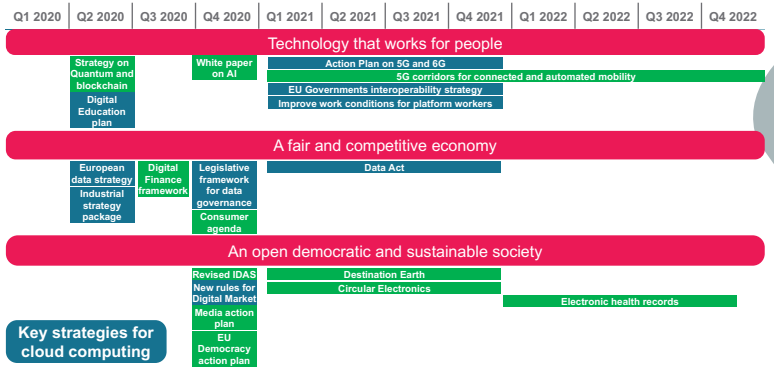
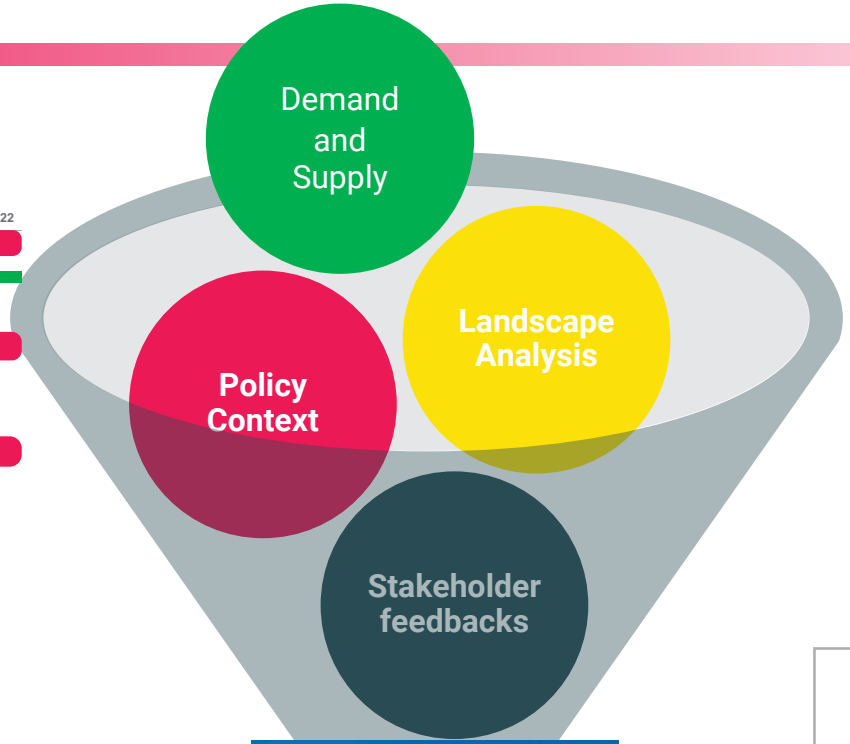
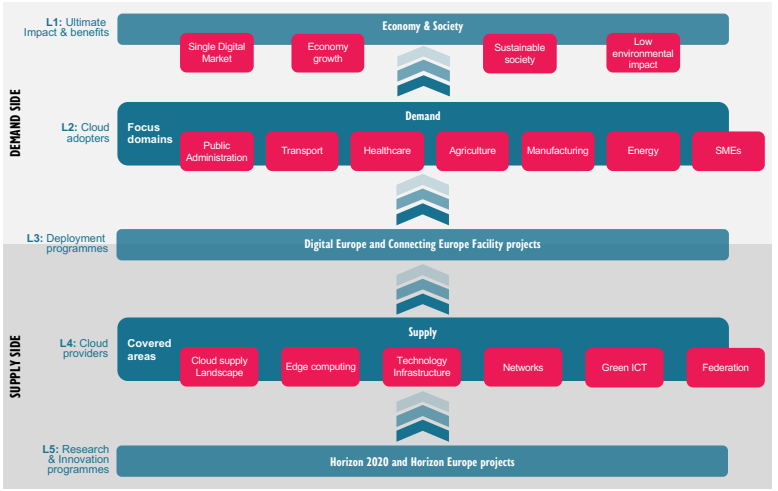
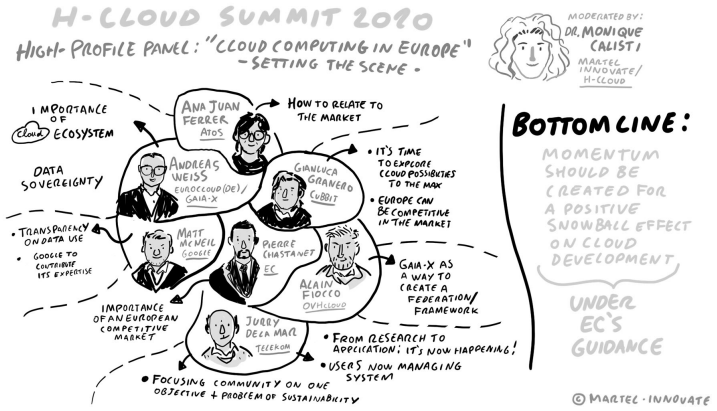
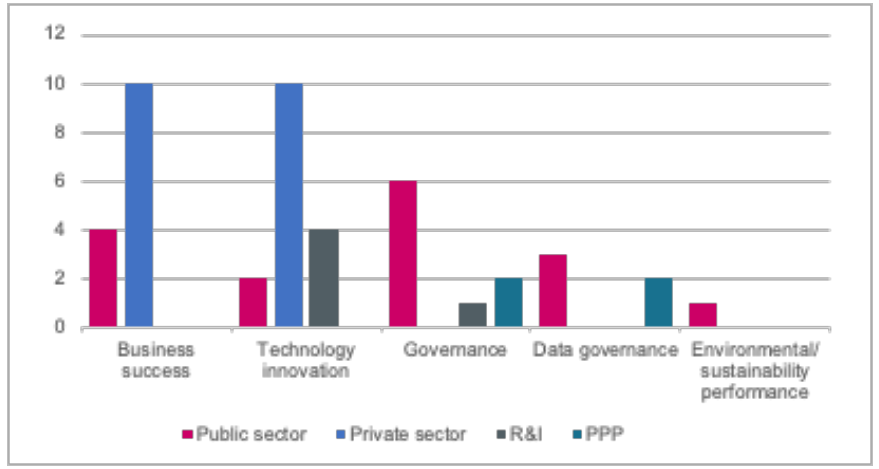
EC STRATEGY TIMELINE:
SHAPING EUROPE'S DIGITAL FUTURE



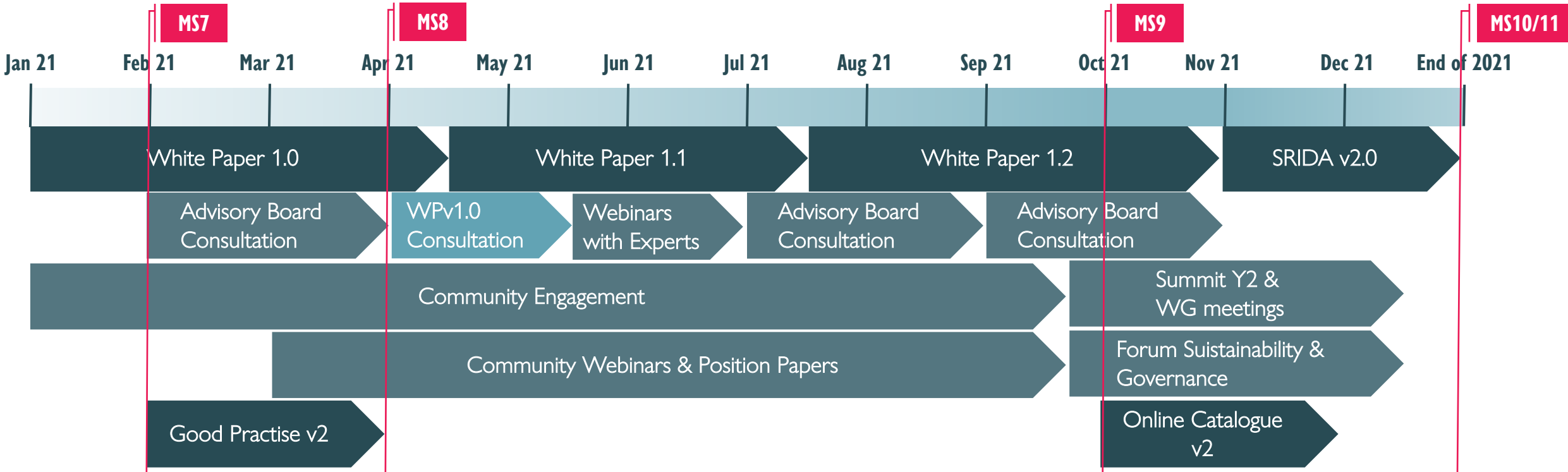








2021 STARTED... A MANY THINGS ARE AHEAD OF US



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THANK YOU FOR YOUR ATTENTION

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This project has received funding from the European Union's Horizon 2020
research and innovation programme under grant agreement N° 871920

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Technical Community Event

Introduction H-CLOUD sister project HUB4CLOUD

Dr Giovanni Rimassa
HUB4CLOUD project coordinator
CIO Martel Innovate

March 23, 09:30 am – 09:45 am CET

HUB4CLOUD PROJECT PRESENTATION

Giovanni Rimassa – Martel Innovate, Project Coordinator

H-CLOUD Technical Community Event, 23.03.2021 – Online

HUB4CLOUD PROJECT OVERVIEW

- CSA aiming to transform European Cloud Computing R&I community
  - Increasingly cohesive ecosystem
  - Dynamic, participatory and sustainable
- Project blueprint
  - Duration: 18 months from Jan 2021
  - Partners: Martel, Atos, Tecnalia
- Scope and Topics
  - Sister project of H-CLOUD
  - Timeline and scope complementarity

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HUB4CLOUD OBJECTIVES

DEVELOP SYNERGIES AND FOSTER STRATEGIC COORDINATION

Support initiatives on **secure**, **environmentally sustainable**, **interoperable** and **scalable CC technologies** and solutions enabling the **European data strategy** ambition to be met, with the new **Industrial strategy for Europe** to be adequately grounded and thereby implemented. Overcome effort fragmentation and catalyse complementary cooperation work

Facilitate interactions among the best CC researchers and innovators in Europe, to align on a **solid research and innovation agenda**. Manage player diversity, related initiatives, potential interests, and the transition from H2020 to Horizon Europe, guiding **strategic roadmapping** and **policy recommendation making** by adopting agile coordination mechanisms

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HUB4CLOUD OBJECTIVES

ENSURE ECC GROWTH AND SUSTAINABILITY

Engage stakeholders, facilitate participation for newcomers, foster knowledge exchange, organise dedicated events, while **promoting main achievements** via targeted dissemination and **outreach efforts**, to foster **concrete value creation** for all community members

Interact with, **collaborate**, and **then take over** the ongoing **communication activities** (expert groups, online forum, events, document library) from the **ongoing H-CLOUD** CSA project, to move forward towards a **full sustainability** of the Horizon Cloud **brand and programme**

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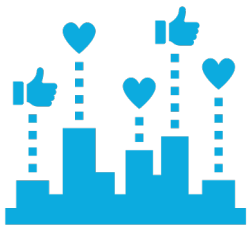
HUB4CLOUD OBJECTIVES

ACCELERATE AND BOOST EXPLOITATION

Facilitate **technology transfer** and **know-how exchange**, mapping ECC projects' efforts into open source, pre-standardisation and standardisation activities. Identify and propose **innovative business model patterns** that can guide business practitioners, especially **SMEs and entrepreneurs**, by examining the identified **best practices** and **success stories** out of ECC projects



Analyse what are the **most pressing needs** in terms of **cloud computing skills development** in Europe, while collaborating with the ECC projects and related initiatives to identify and promote **training materials and programmes**, as well as **educational**, skilling and/or **upskilling opportunities**

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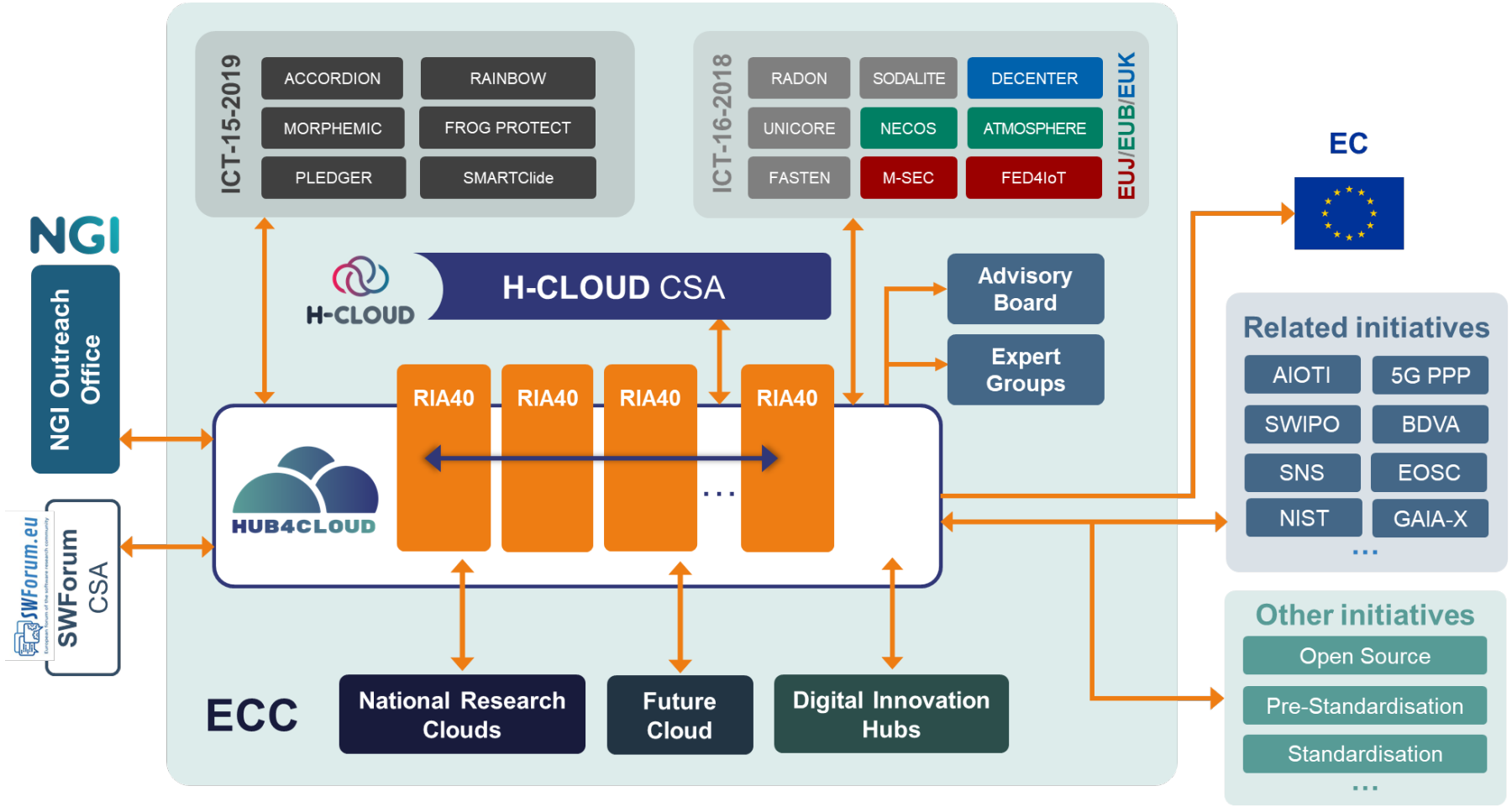
HUB4CLOUD POSITIONING



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DISCOVER THE CONSORTIUM

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THANK YOU FOR YOUR ATTENTION

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HUB4CLOUD project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 101016673

Part I: Let’s go serverless

H-CLOUD

Technical Community Event

RADON: DevOps for Serverless-Computing

Dr Giuliano Casale
Reader, Imperial College London

March 23, 09:45 am – 10:00 am CET

RADON

H-CLOUD

Technical Community Event

Unikernels in Practice: A UNICORE Serverless Use Case

Xavier Peralta
SysAdmin, CSUC

UNICORE

March 23, 10:00 am – 10:15 am CET

Part II: Together at the edge

H-CLOUD

Technical Community Event

ACCORDION: Bring Intelligence at the Edge

Dr Patrizio Dazzi
Researcher, ISTI-CNR

Dr Konstantinos Tserpes
Assistant Professor, Harokopio Univ.

ACCORDION

March 23, 10:15 am – 10:30 am CET

H-CLOUD

Technical Community Event

PLEDGER: Security in Cloud-Edge Environments

Dr Olga Segou
Senior RID Specialist,
Intrasoft International SA

PLEDGER

March 23, 10:30 am – 10:45 am CET

H-CLOUD

Technical Community Event

OpenNebula: Introducing ONEedge

Dr Marco Mancini
Cloud Technical Evangelist, OpenNebula

OpenNebula

March 23, 10:45 am – 11:00 am CET

H-CLOUD

Technical Community Event

Digital for Planet: Green Cloud, Edge, IoT under Horizon Europe

Dr Monique Calisti

President Digital for Planet,
CEO Martel Innovate

DIGITAL FOR PLANET

March 23, 11:00 am – 11:15 am CET

Part III: We are optimising Cloud

H-CLOUD

Technical Community Event

PLEDGER: Automated benchmarking for Cloud

Gabriele Giammatteo
Researcher, Engineering
Ingegneria Informatica S.p.A.

PLEDGER

March 23, 11:15 am – 11:30 am CET

H-CLOUD

Technical Community Event

MORPHEMIC: Cloud modelling

Dr Kyriakos Kritikos
Afilliated Researcher & Associate Professor,
ICS-FORTH & University of the Aegean

Marta Różańska
PhD Student, University of Oslo

MORPHEMIC

March 23, 11:30 am – 11:45 am CET

H-CLOUD

Technical Community Event

MORPHEMIC: Cloud optimisation

Dr Geir Horn
Head of European ICT Projects, University of Oslo

Marta Różańska
PhD Student, University of Oslo

MORPHEMIC

March 23, 11:45 am – 12:00 am CET

Conclusion

Q&A

- Focus topic for the next technical event?
- Format?
- Outcomes?
- How can we help you more?

H-CLOUD

Technical Community Event

Conclusion & Outlook

Dr Federico M. Facca

H-CLOUD project coordinator,
CTO Martel Innovate

March 23, 12:25 pm – 12:30 pm CET