

NGIoT Thematic Workshop: Agrifood and Rural communities

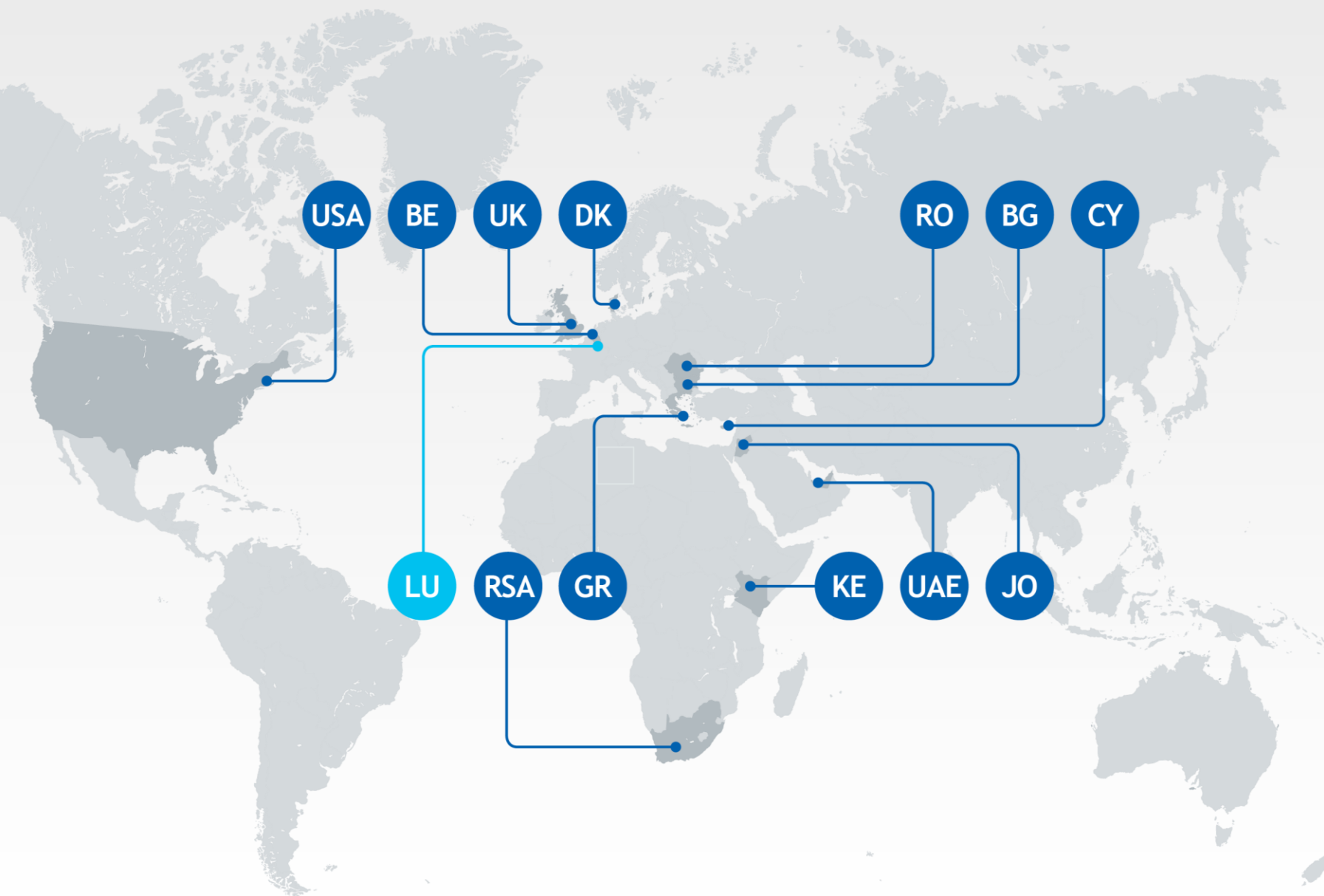


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30 March 2021

Who we are in a nutshell ...





Headquarters

Luxembourg (LU)

Development Centres - outsourced work

Athens (GR)
Thessaloniki (GR)
Patras (GR)
Amman (JO)
Bucharest (RO)
Brussels (BE)
Copenhagen (DK)

Offices

Nairobi (KE)
Boston (USA)
London (UK)
Ras al-Khaimah (UAE)
Sofia (BG)
Nicosia (CY)
Republic of South Africa (RSA)

Over 20 years of successful R&D projects implementation *and...*



- System Integration & Architecture Specification
- Technical Coordination
- Application **Development**
- **Communication**



Efficient/effective **coordination** and team-leading EC co-funded R&D practices:

- FP5/FP6/FP7/H2020
- CIP/ECSEL/CEF
- Studies/Impact assessment/Policy support



Pre-commercialisation of Information and Communication Technologies **research results**

...innovation



Innovation-related activities:

- Internal Innovation Competition
- **Innovation radar**/Technology transfer
- Joint ventures



Strategy positioning:

- Feasibility study of cutting-edge technologies (Big Data, Data Analytics, Blockchain, ...)
- Opening up new innovative fields (agrifood, AI, maritime security, ...)



Product Development and cross-collaboration:

- Extend/New **product offerings**
- Cross-departmental **business and commercial collaboration**
- **Spin-off** (SmartPACT - blockchain in insurance)

SECURITY / SAFETY

PHOENIX
CUREX
SecureIoT
CYBECO
iTRACK
INSPEC²T

PaaSword
IMPRESS
STAR-TRANS



INNOVATION / ENTREPRENEURSHIP

Pop-Machina
INVITE
DIATOMIC
EFFORTI
BILATUSA 4.0
NearUS
ePlusEcosystem

INNOVER-EAST
EEN-USA
VOICE
Future Enterprise
CONCEPT
FI-ADOPT



MANUFACTURING

DIMOFAC
SHAREWORK
SHERLOCK
MARKET4.0
BOOST 4.0
PROPHECY
Productive4.0

THOMAS
ICP4Life
ROBO-PARTNER
INTERACT
IMAGINE
Sense&React



e-LEARNING/ CAPACITY BUILDING

NADINE
OSOS
VISTE
DEVELOP
Inspiring Science
ENTREDU
GeoTHNK

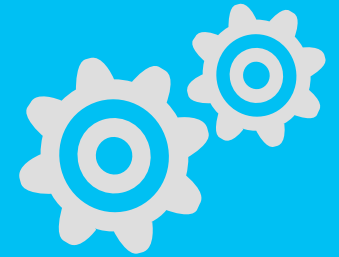
Open
Discovery Space



TRANSPORT / MOBILITY / LOGISTICS

Trustonomy
5G-MOBIX
COG-LO
HiReach
MaaS4EU
Transforming
Transport

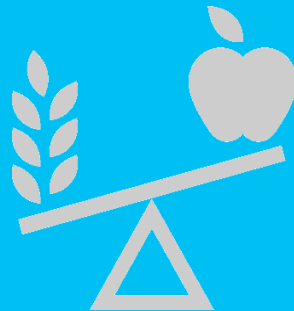
OPTIMUM
U-TURN
CORE
CIVITAS WIKI
OTN
CITADEL



AGRO / FOOD / ENVIRONMENT

DEMETER
CYBELE
PROTEIN
IMPAQT
NUTRISHIELD

DataBio
AFarCloud
PhasmaFOOD



BIG DATA

CYBELE
DataBio
Transforming
Transport
BOOST 4.0
Track & Know
OPTIMUM

ARTIFICIAL INTELLIGENCE

AI4DI
LifeChamps

CLOUD COMPUTING

PLEDGER



IoT/SENSOR /ENERGY BLOCKCHAIN

AFarCloud
SecureIoT
PhasmaFOOD
e-SAVE
ARTISAN
INNOVER-EAST
TERMINET

Block.IS
CUREX
COG-LO
SmartPACT



HEALTH

LifeChamps
CUREX
MULTI-ACT
IMPRESS
Linked2Safety
SIFEM
HosmartAI

PUBLIC SECTOR INNOVATION

ManyLaws
CLARITY
EU-Community
COCKPIT
ELLECTRA-WEB
RACKWEB



CONTENT / OPEN DATA

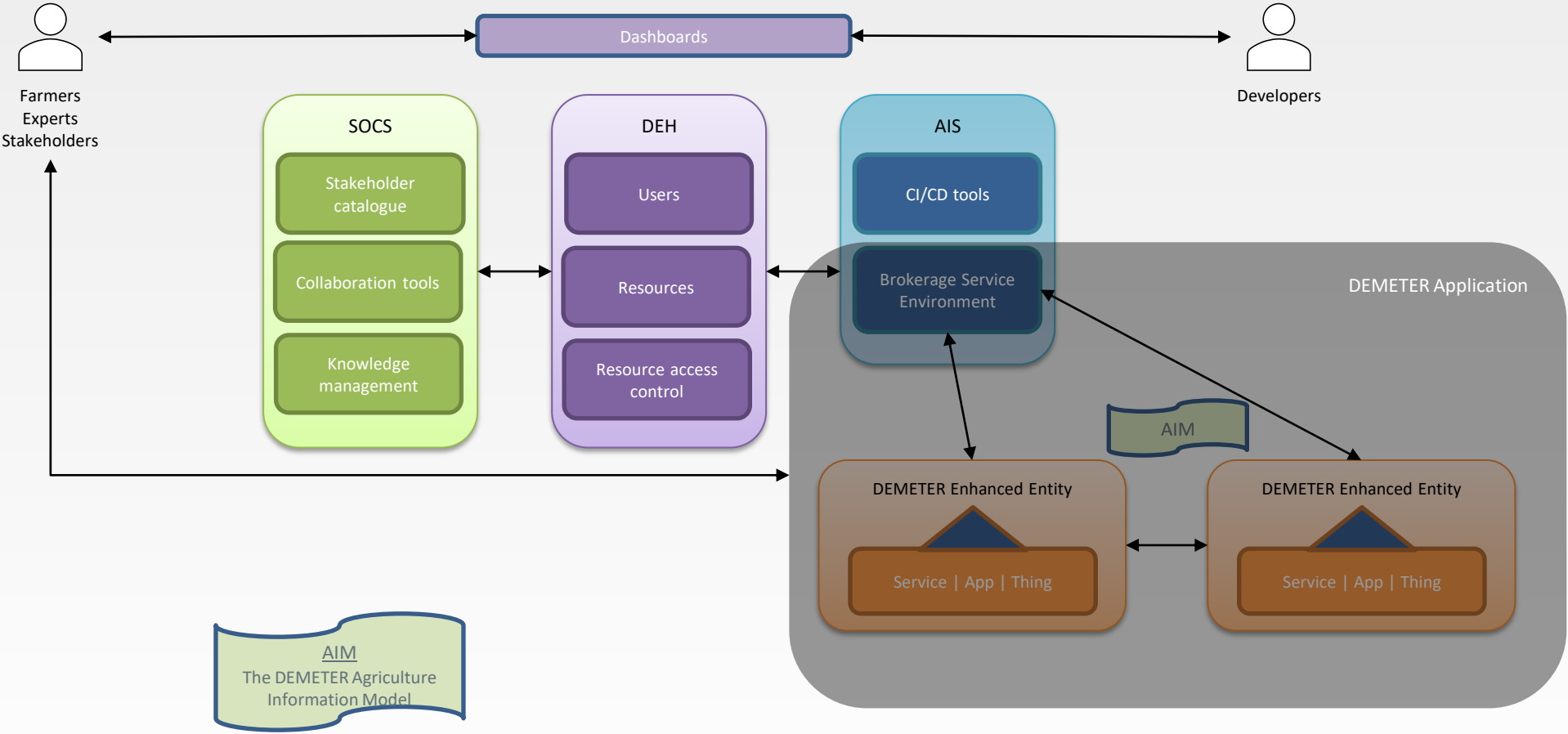
ManyLaws
FotoInMotion
REVEAL
DIACHRON
ENGAGE

NETWORKS

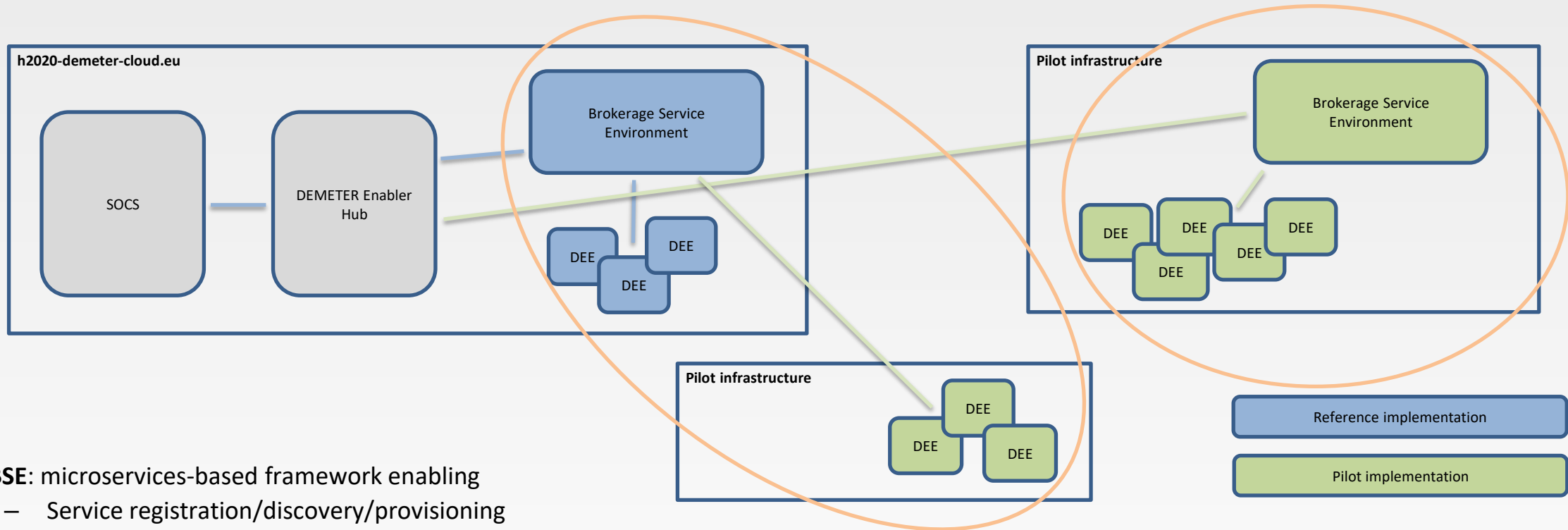
5G MOBIX
MATILDA
FLEX
SoftFIRE



Overview of DEMETER work



Overview of DEMETER work and beyond



- **BSE:** microservices-based framework enabling
 - Service registration/discovery/provisioning
 - Communications through REST APIs or the publish-subscribe pattern
 - Covers data sharing as well
- Multiple BSEs
 - Deployable anywhere
 - Able to use each other's DEEs (with access control)
- Our approach: provide a **concrete** implementation while allowing **flexibility** to accommodate different business needs
- Future work: transparency can be addressed and supported by **blockchain**; uniform support for the **whole** supply chain



Thank you for
your attention

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