



Cloud and Software concertation meeting

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Project Overview Cloud & Software - 2017

Software Engineering for Services and Applications

H2020 Projects

Aligned, ARCADIA, CloudTeams, CloudWave
DICE, ENTICE, HyVar, Supersede, SWITCH

Policy Areas

Open source, Artificial Intelligence/Algorithmic
transparency

Inter-cloud Challenges, Expectations and Issues

H2020 Projects

CloudSocket, BEACON, SICLOPS, ENTICE
CYCLONE, CLOUDLIGHTNING, SWITCH, BASMATI

Policy Areas

Interoperability & Portability

Novel approaches and technologies for resource and service management

H2020 Projects

ARCADIA, BEACON, CloudLighthouse, CloudSpaces,
ClouT, CloudWave, DICE, ENTICE, iKaaS, INPUT,
IOStack, Mikangelo, Mobile Cloud Networking,
MUSA, RAPID, SWITCH

Policy Areas

European Cloud Initiative (ECI)

Data Protection, Security and Privacy in the Cloud

H2020 Projects

CLARUS, CREDENTIAL, ESCUDO-CLOUD, MUSA,
OPERANDO, PAASWORD, PRISMACLOUD, SERECA,
SECURECLOUD, SLALOM, SLA-READY, STRATEGIC,
SUNFISH, SWITCH, TREDISEC, TRESCCA, WITDOM

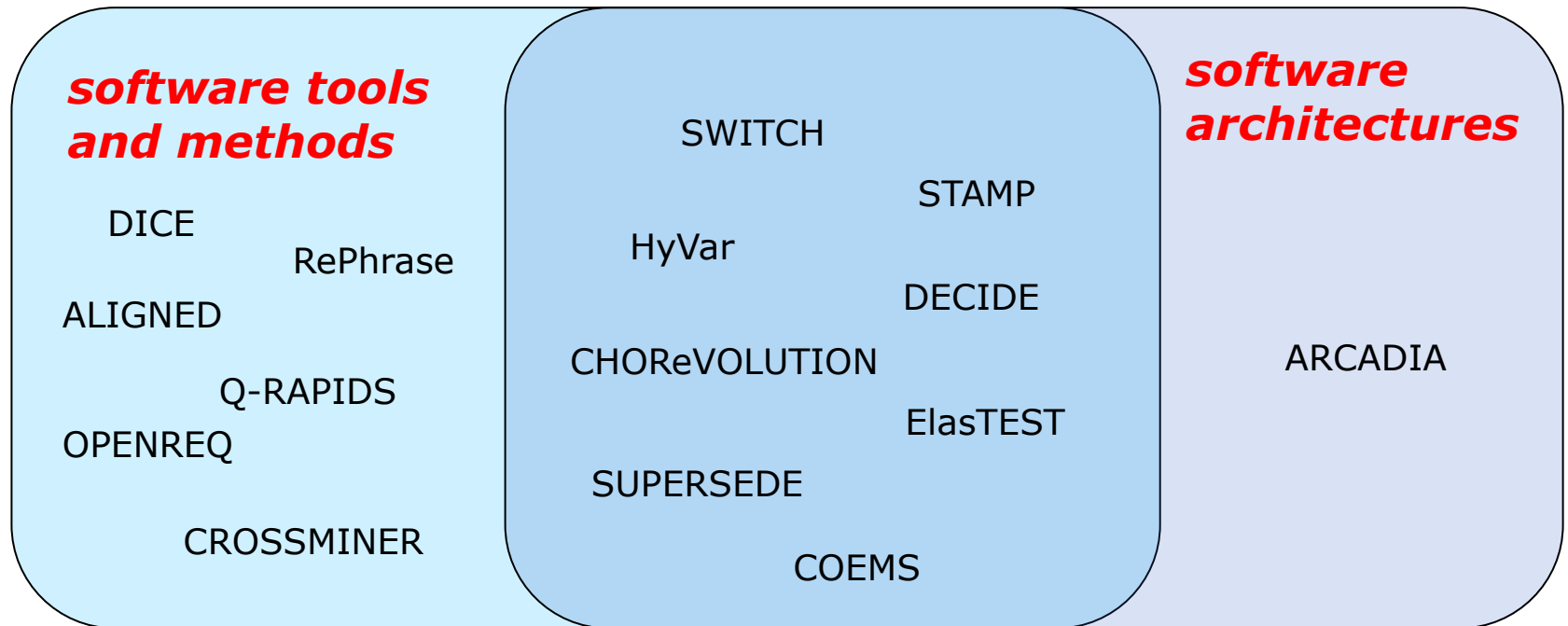
Policy Areas

Cloud Certification

Crosscutting Co-ordination & Support Actions

AppHub, CloudWatch 2, EUBrasilCloudForum

Horizon 2020 project portfolio in Software Technologies



15 Projects 57 M €

Horizon 2020 project portfolio in Cloud

Cloud Architectures

ACTICloud

CloudDAppliance

PrEstoCloud

DITAS

Federation, Networking, FOG

SUPERCLOUD

BASMATI

MIKELANGELO

SWITCH

CLOUDLIGHTNING

SERECA

CloudSocket

IOSTACK

LightKone

ESCUDOCLOUD

RAPID

ENTICE

CYCLONE

MUSA

SSICLOPS

INPUT

BEACON

BigClouT

RECAP

CLOUDLIGHTNING

mF2C

SUNFISH

HEADS

HNSciCloud

EUBRa-BIGSEA

MELODIC

iKaaS

PaaSword

COLA
COLA

CLOUDTEAMS

C4E

RESTASSURED

CloudPerfect

UNICORN

SecureCloud

CLARUS

Innovation

Security, Privacy

40



The digital revolution is built on data

Most economic activity will depend on data within a decade
Potential of the data-driven economy

2015

2020

€272 bn

With adapted policy
& legal solutions

€739 bn



6 million people
employed



7.4 million
people
employed

Creating a European Digital Economy and society with growth potential

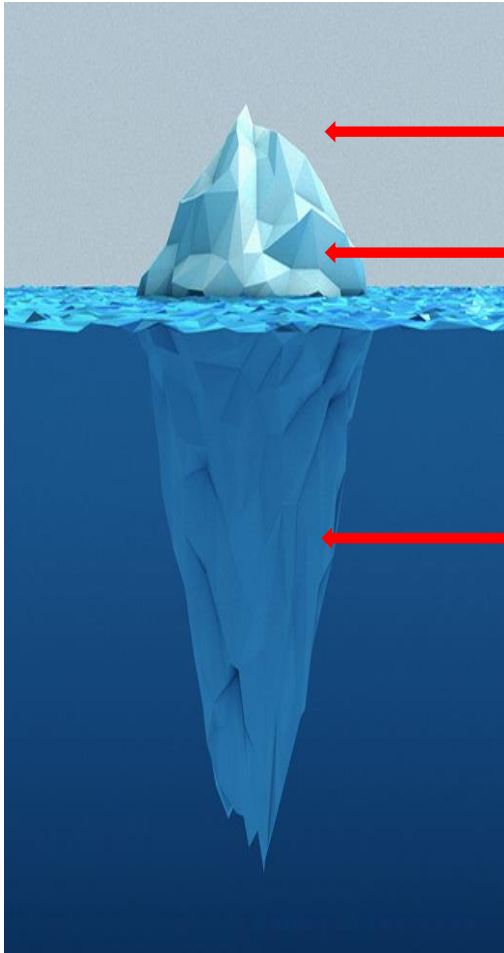


Pillar 3 ECONOMY & SOCIETY

Ensuring that Europe's economy, industry
and employment take full advantage of
what digitalisation offers.

- Digitising industry ✓
- Cloud ✓
- Inclusive digital economy and society ✓
- e-government ✓
- Standardisation & interoperability ✓
- Digital skills ✓
- **Data economy** ✓

The data localisation problem



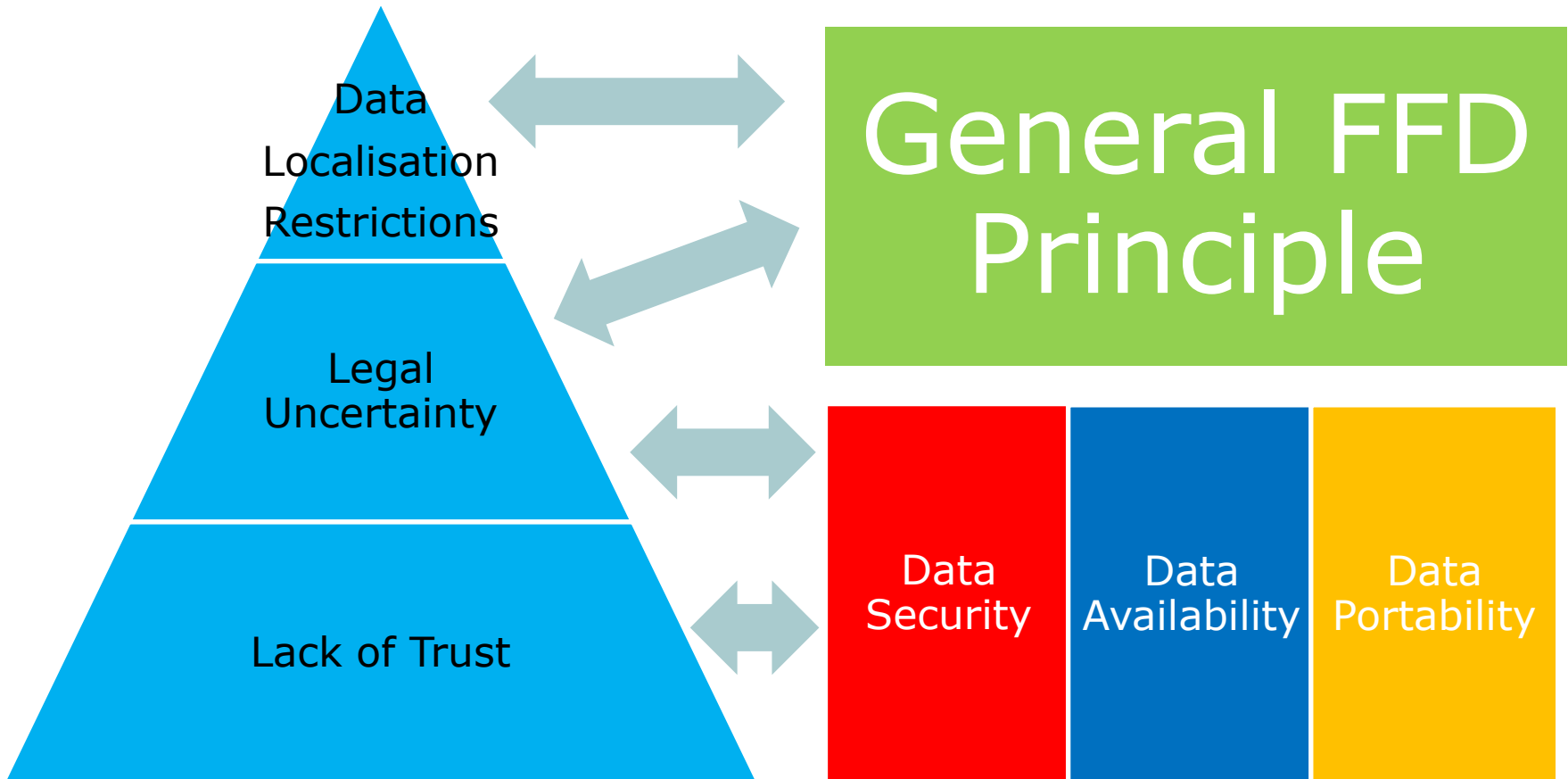
Around **50 restrictions** – legal and administrative rules identified so far

Restrictions yet **to be discovered** (e.g. regulatory practices, public procurement requirements)

Strong **perception** by businesses and public sector organisations of the need to localise data in a particular Member State, including perceived threat of unfavourable regulatory scrutiny if data is not stored and processed locally

FFD Iceberg

FFD Building Blocks



Background of C-SIG

- *Cloud Select Industry Group established in 2013*
- *4 working groups dedicated to actions in the COM(2012) 529*
- *Collaboration with industry*
- *EC at arm's length*
- *EC intervention only when absolutely necessary*
- *Broadly successful & tangible deliverables*

Re-organisation

2017

- Stakeholder broadening & diversification
- Define Mission
- Develop Governance
- New Name
- Follow-up on current workstreams & identify new needs
- Commission lead with consent by broadened and diversified stakeholders

Informal Transitional Platform

2018

- Finalize new platform
- First General Assembly
- Start working groups and integrate ongoing workstreams
- Commission supervision and direction

New Platform

2019

- Fully operational platform
- Commission guidance