



# **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

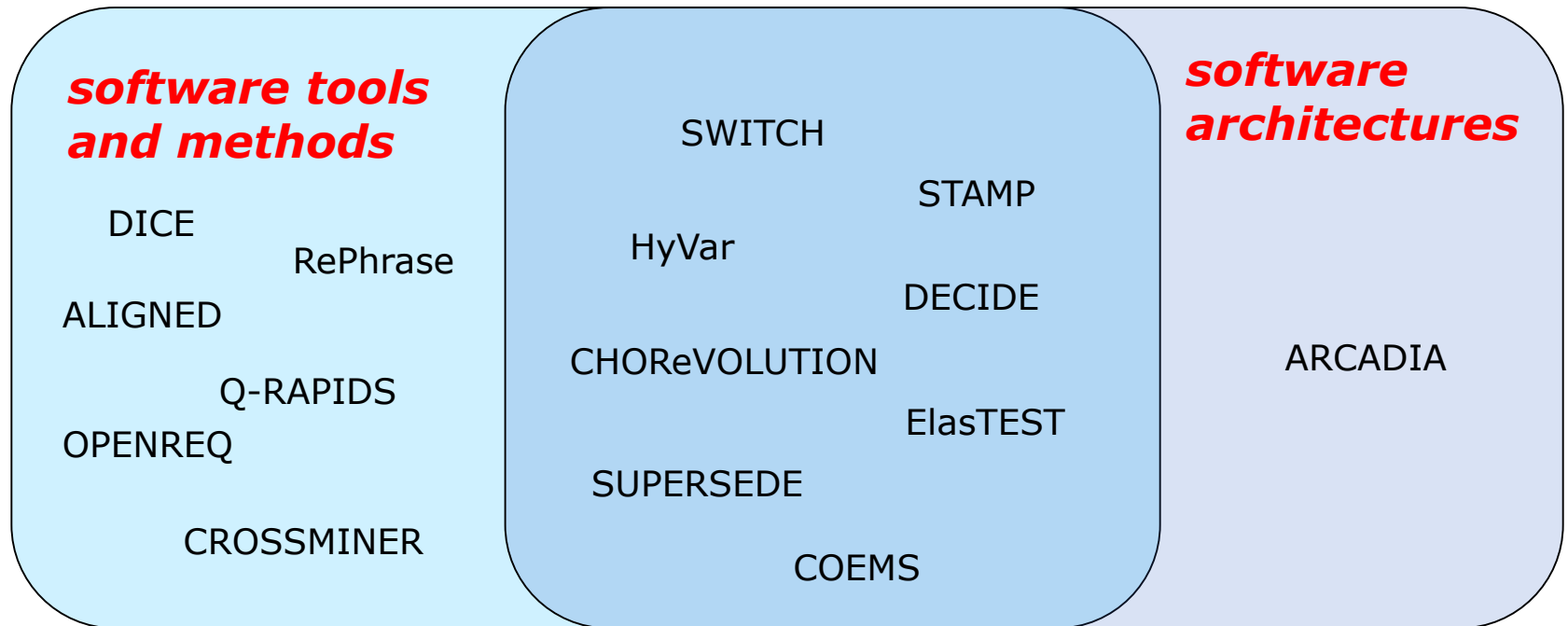
### Policy Areas

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

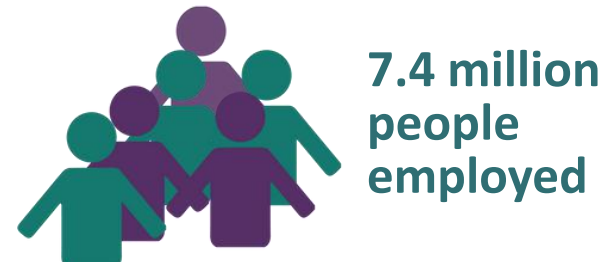
2015

2020

€272 bn

With adapted policy  
& legal solutions

€739 bn



## Creating a European Digital Economy and society with growth potential

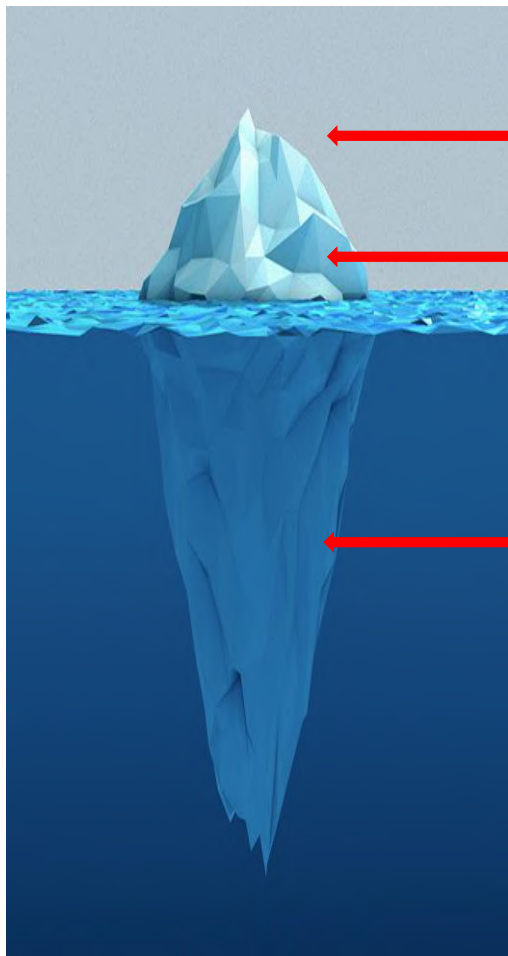


### Pillar 3 ECONOMY & SOCIETY

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



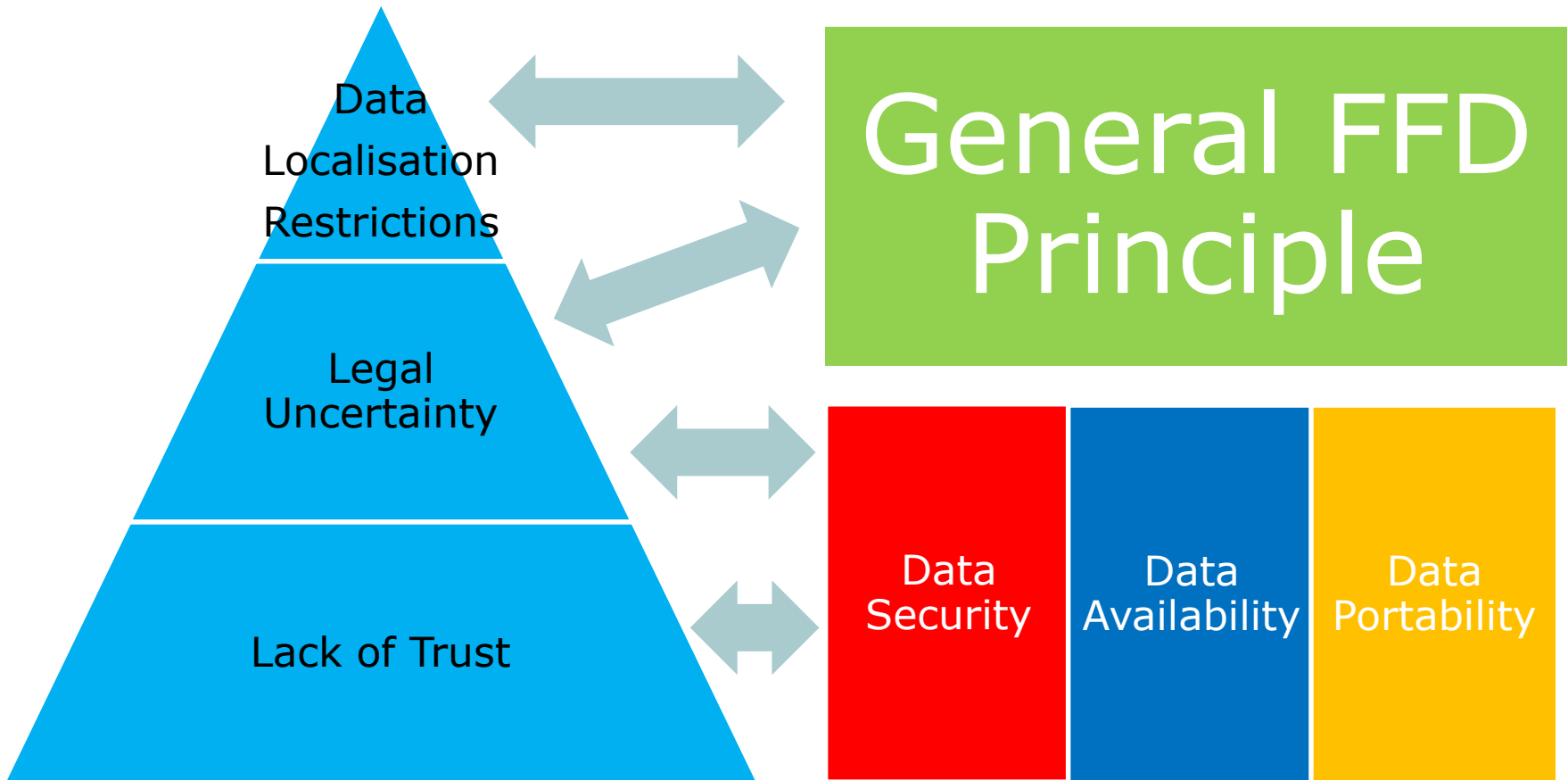
Around **50 restrictions** – legal and administrative rules identified so far

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