G-Cloud: How was it born?

• Context of severe budget reduction for the FPS (investments as well as HR)

• Responsibilities over certain subjects get spread over more organisations than before (customer journeys become more complex)

• Cloud-like offerings becoming more ‘the new normal’

• Business asking for more, faster and better
Hard infrastructure
Compute | Network | Storage

Soft infrastructure
Virtualisation | Security | Mail | VoIP | ...

Application Platform

Horizontal software (Solutions)
Website | HR | Finance | ...

Business Applications
Core business
G-Cloud: Core principles

- **Selfservice**: industrialised and automatised service offering
- **Availability**: ready to use offerings
- **Scalable and elastic**: capacity can easily increase/decrease for the customer
- **Shared**: looking for economies of scale
- **Pay for use model**: (but with cost sharing for the whole platform)
- **Easy accessible**: underlying complexity is hidden for the user
- **Incremental, exploratif, iteratif approach**
G-Cloud organisation

3 Colleges
(Federal Public Services)
(Institutions of Public Utility)
(Public Institutions of Welfare)

SIT (ICT-managers of FPS, PIW, IPU)

Service owners

G-Cloud Strategic Board

G-Cloud Operational & Program Board

Government

FPS
PIW or IPU
Coalition of FPS/PIW/IPU
Private companies lead by FPS/...
The ‘BIDA’ initiative

Business Intelligence, (Big) data & Analytics
Observations

• Government institutions actively seek **cost-effective synergies**

• Some members are changing into **analytics-driven organisations**

• **Shortage in** « available and flexible » **expertise** in each individual entity

• Data is everywhere, but not (yet) **information**
IF YOU WANT SOMETHING YOU'VE NEVER HAD, THEN YOU'VE GOT TO DO SOMETHING YOU'VE NEVER DONE.
Initiating elements

- **Big Data analytics platform**
  - (Smals-RSZ)
  - Procedure with competitive dialogue

- **Shared BI & A initiative**
  - Vision on long term
  - Virtual BICC on the radar

- **SAS new contract**
  - Smals, Riziv, Economy & Public Health
  - Concept of a shared platform in the contract
Principles of the contract with SAS

• Shared development environment (12 cores)
• Every partner gets 3 years to take the step
• An innovation lab with the latest SAS products
• Degressive price model
• Shared production platform (based on existing inventory of purchased products)
• Licences can be mutualised (cross-organisations)
Go for it and tackle the multiple domains in an agile way

Privacy

Autonomy of the customer

Security aspects

Governance

Mining & industrial reporting

People aspect (not only ICT)

... and many more ...
(Big) Data Analytics Platform

Foundation

Connectors

Data Services

Computing Power

Hardware Accelerators

G-Cloud PAAS (RDBMS)

G-Cloud IAAS

Institution owned Infrastructure

existing

BI
Datamining
Analytics
Front-end

new

B
D
A
F
e.g.
, common
SAS-platform

new

B
D
A
F
incl.
Visual/Network
Analytics

Entreprise-ready
Big Data
Hadoop ...

all types of
Data Sources

high performance
Data Integration
ETL
ELT

Data Protection
Security
Access Mngmt
Masking

multi-tenant
Governance

Data Mngmt
mappings
glossary

Scope
Big Data
Analytics Platform

Scope
Big Data
Analytics Platform

Competence Center

BDAP-CC
Expected benefits

- Availability of common reference sets (geo-data, ICD, ...)
- Upgrade once (no longer locally)
- Optimisation of the use of SAS-licences
- Knowledge & resource sharing
- Higher performance
- Wider product range available in shared development
- Step up environment towards Big Data
In the next weeks ...

- Finalize Shared Development Environment
- Start with set up of Production Environment
- Onboard customers:
  - FPS public health, safety of foodchain & environment
  - FPS Economy
  - RIZIV/Inami
  - Smals
  - You?
Together we build the g-cloud