



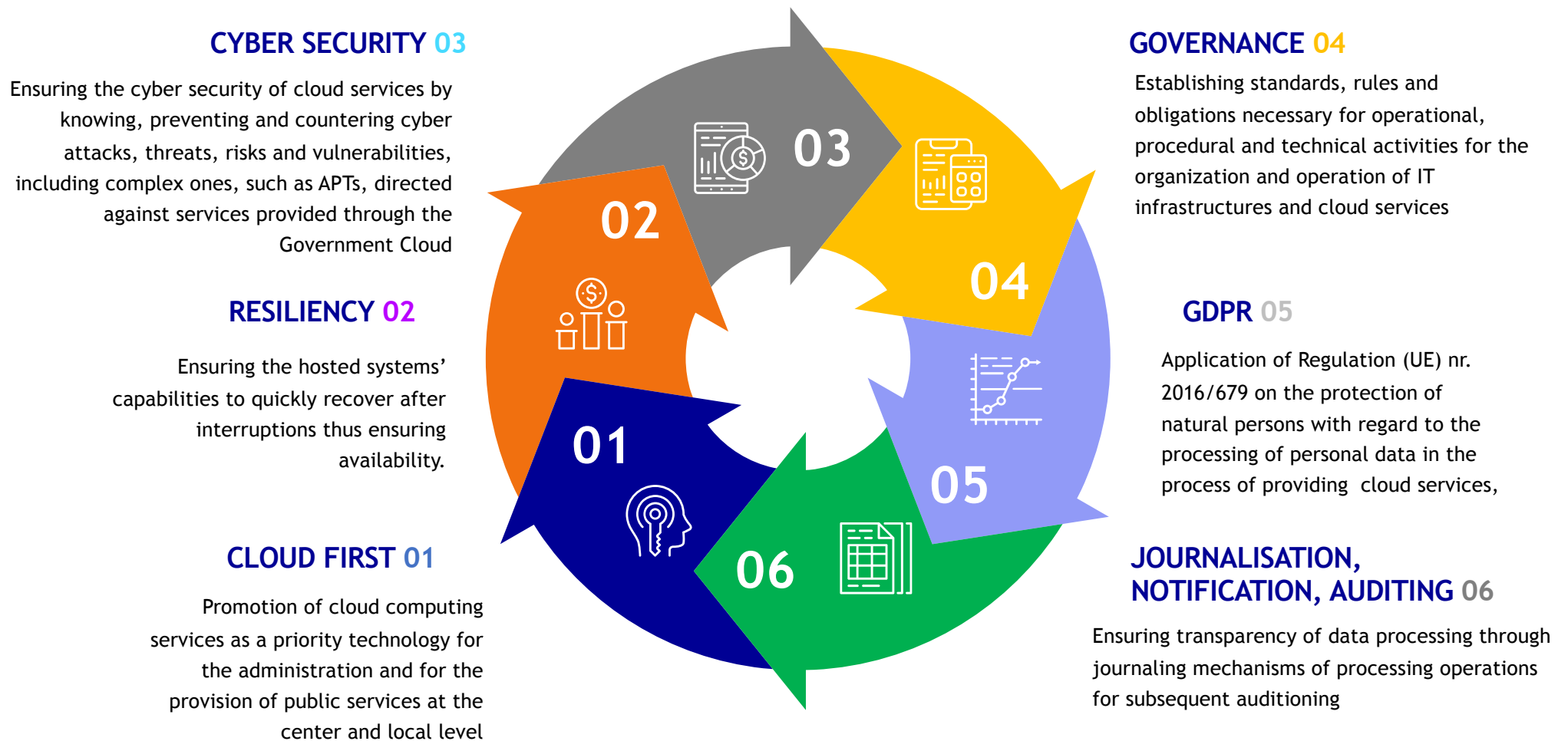
Romanian Government Cloud

Marius Viorel Poşa

Undersecretary of State,
Romanian Ministry of Research,
Innovation and Digitalization,
Coordinator of Digitalization
Projects

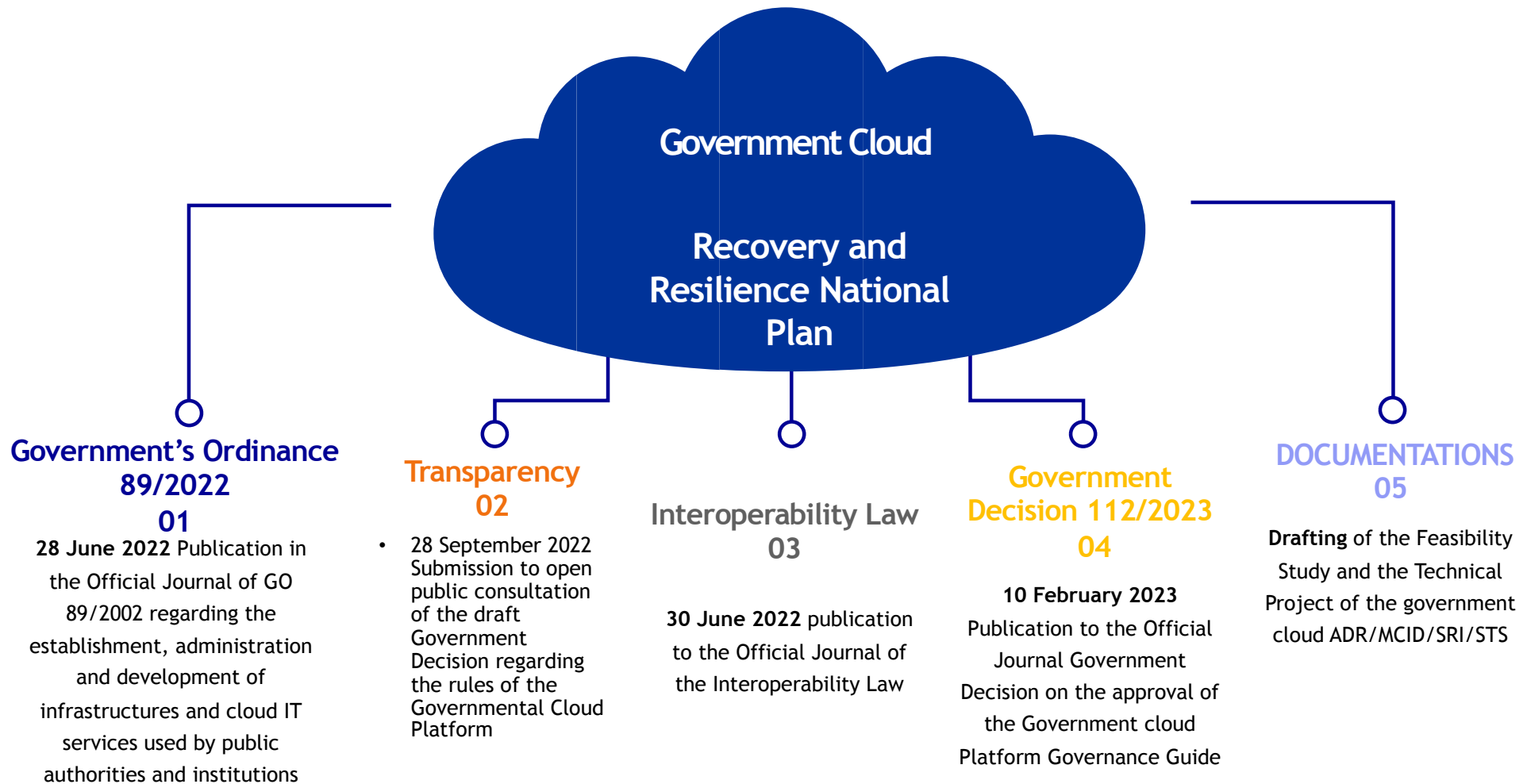
FUNDAMENTAL PRINCIPLES

GOVERNMENT CLOUD



LEGAL FRAMEWORK

GOVERNMENT CLOUD



PROVISION OF “ONE STOP SHOP”-type services FOR PUBLIC AUTHORITIES

GOVERNMENT CLOUD

01



MARKET PLACE

- The chosen model is an extension of the *Enterprise Architecture Model*, applicable to any specific scenario for entities using the *Solution Building Block*;
- Capacity visibility varies depending on the roles of participants;

02



SERVICE DESK

- Technical solutions that ensure data processing and non-repudiation of actions produced in systems and applications cloud by the human factor or by applications, services or connection interfaces;
- The solution will provide storage in the form of logs and logs system, transparently and directly accessible to the user

03



SINGLE DIGITAL GATEWAY

- OUG 89/2022, middleware interconnections through API-based technologies under the principles "*digital-by-default*" and "*once only*" for the provision of e-Government services to citizens and companies;
- E-government services delivery through One-Stop Shop portals

04



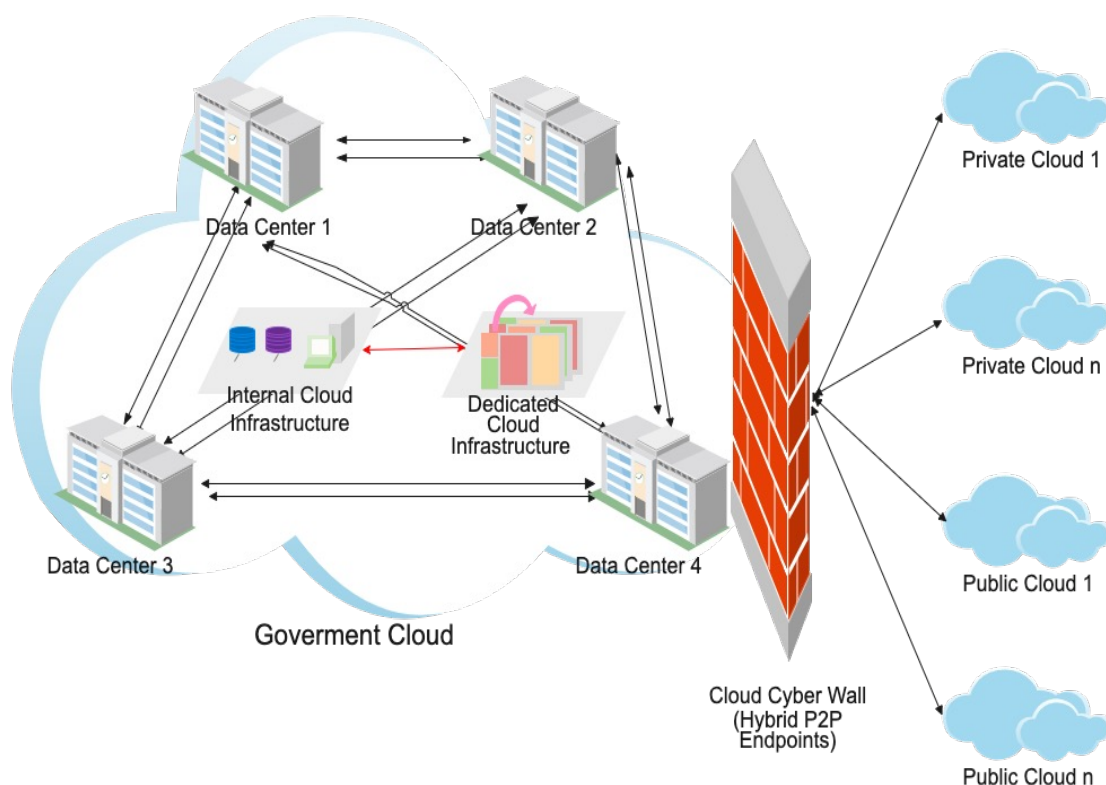
JOURNALISATION AND NOTIFICATION

- The large number of users and components requires the installation of a single technical support solution, through which all incidents registered at the level of the government cloud platform are managed and all SLAs are monitored;
- The system will allow the retrieval, recording and tracking of incidents regarding the abnormal operation of the IT system

HYBRID-type CLOUD

GOVERNMENT CLOUD

The conceptual architecture of the hybrid model



What it means?

Provided by OUG 89/2022, it is the possibility for public institutions to use services from multiple cloud solutions. The hybrid way of working is ensured by the interconnection, at the level of services, of the private component of the CPG presented architecturally in the technical project with the full stack component, both having the possibility to be interconnected with other public cloud or private cloud services.

Full stack - complete on-premise cloud infrastructure

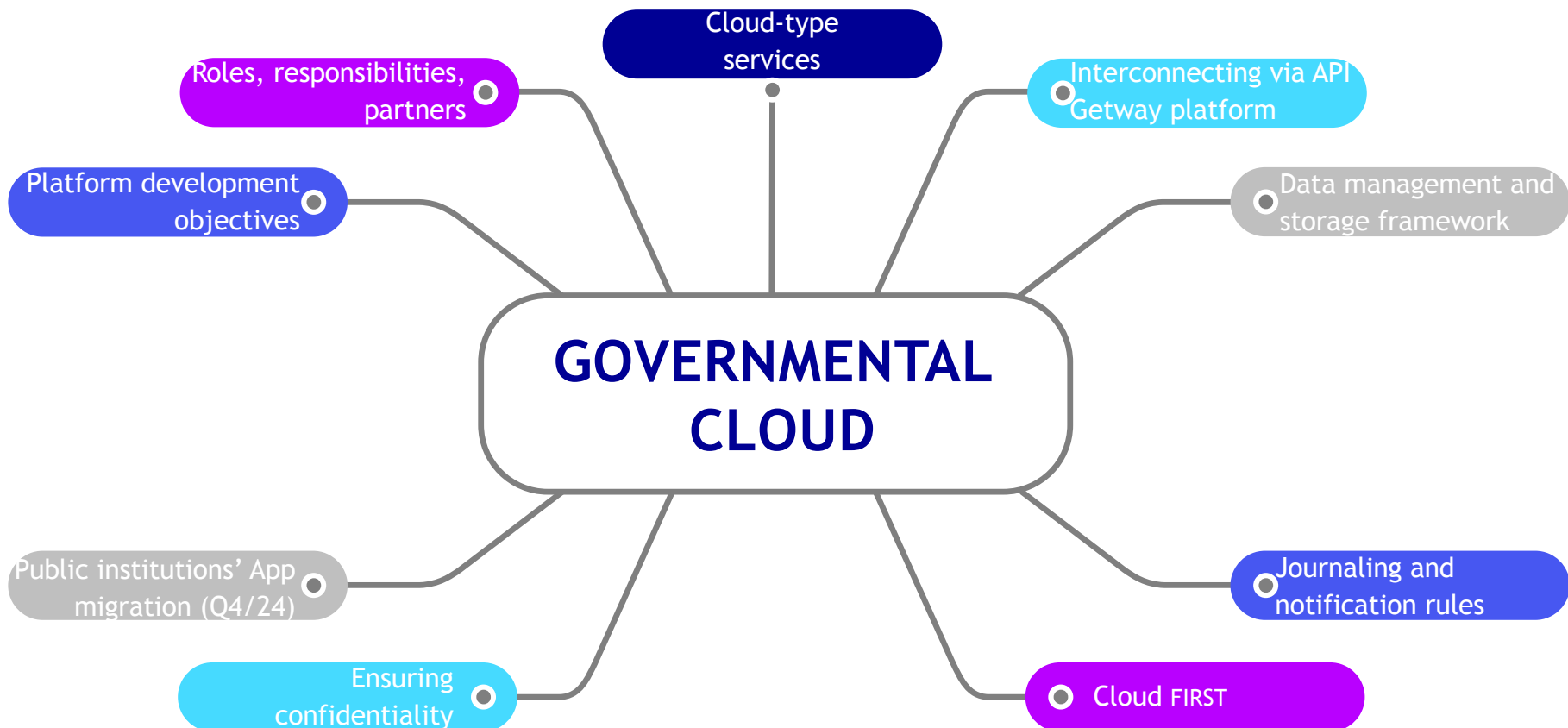


Implementing models

- Full stack at public cloud provider level (in CPG)
- Full stack with a public provider to ensure interconnection with other private providers (other public institutions in Romania that own private clouds)
- By connecting to the infrastructure of the public cloud provide

IMPLEMENTING MILESTONES

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GENERAL FUNCTIONALITIES

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Cloud Computing – based on building blocks IaaS AND PaaS

SELF-SERVICE MODEL

The CPG solution will allow the creation of virtual resources for processing (virtual machines and containers), storage (volumes) and network by accessing an interface by the beneficiaries;

TELEMETRY

Virtual resources can be monitored and metered both by the technical administrator of the government cloud, how much and by the beneficiary who consume them;

ELASTICITY

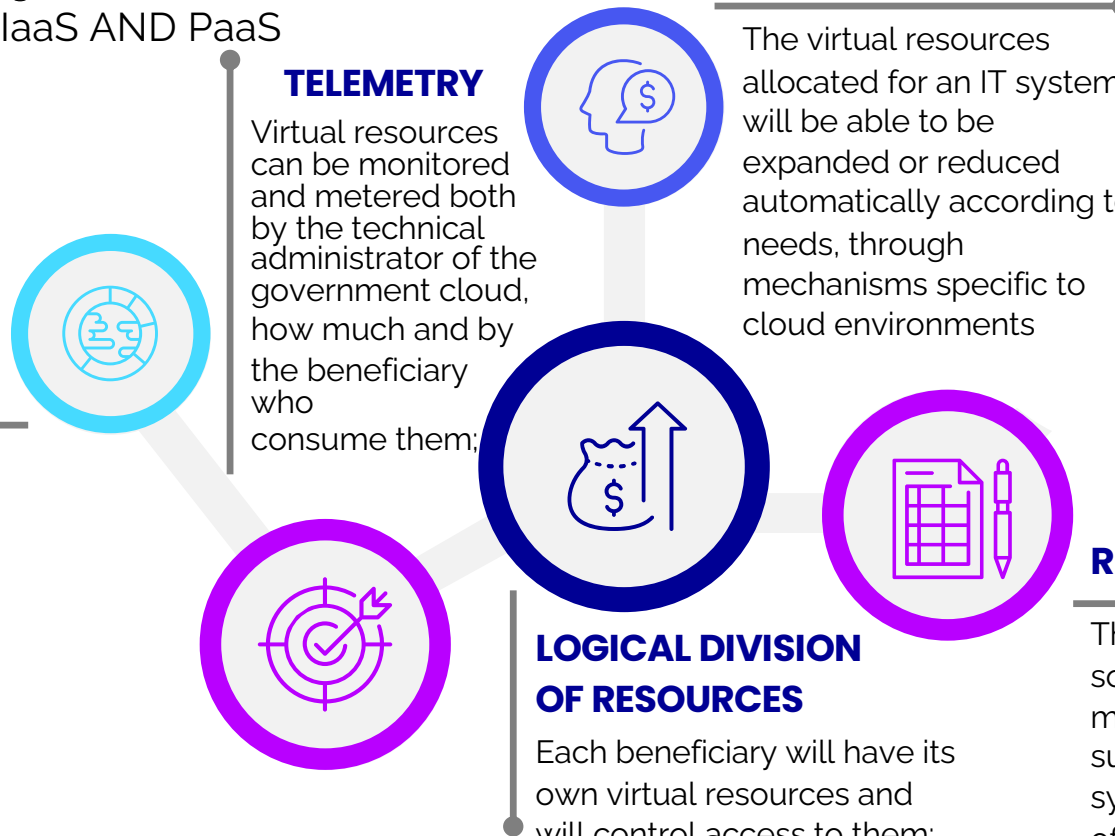
The virtual resources allocated for an IT system will be able to be expanded or reduced automatically according to needs, through mechanisms specific to cloud environments

LOGICAL DIVISION OF RESOURCES

Each beneficiary will have its own virtual resources and will control access to them;

RESILIENCE AND AVAILABILITY

The government cloud solution will include mechanisms that will support the construction of systems with a high degree of availability and resilience;



NEXT STEPS

GOVERNMENT CLOUD

2022



Completion of the technical specifications and completing the procedures for the acquisition and implementation of the government cloud platform investment I1 according to the terms approved in the financing contract provided for in Component 7 - Digital Transformation of the National Recovery and Resilience Plan.



2024



Preparation and start of the Migration stage of the Public Administration systems according to I2.





Thank you!

marius.posa@research.gov.ro
www.research.gov.ro
14 Liberty Boulevard
050706, Bucharest 5, Romania