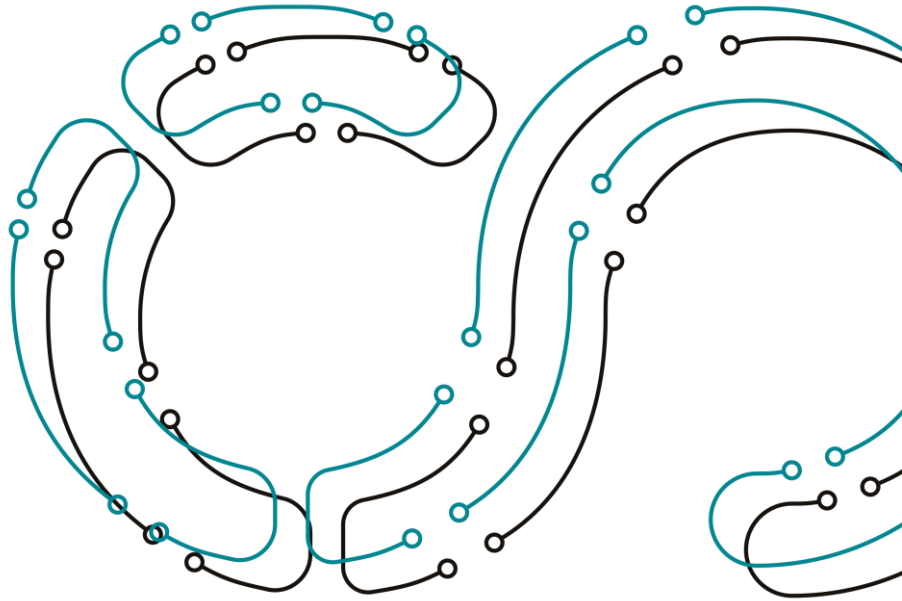
Connecting users, data, and services

EOSC Symposium 2026 / 14-16 October / Florence



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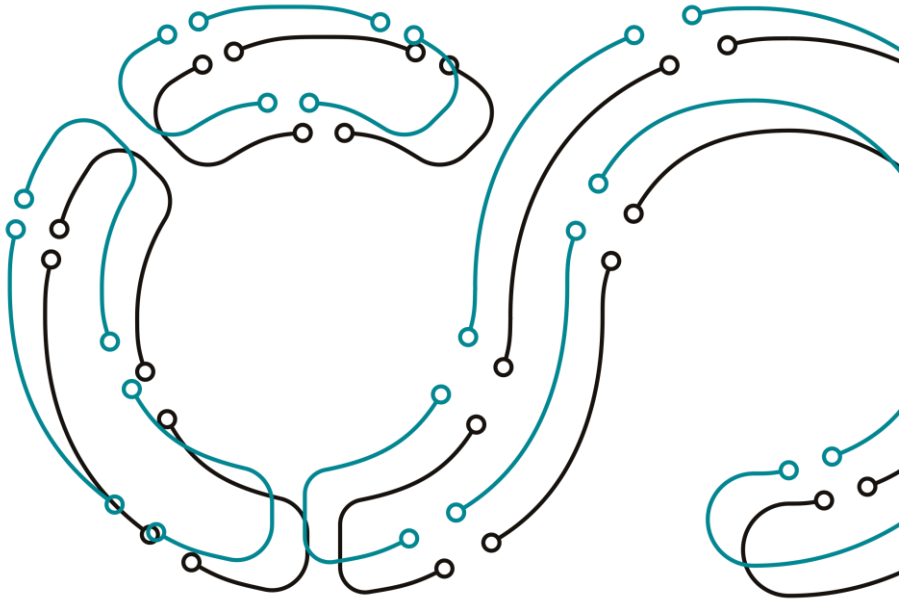
COMUNE DI FIRENZE

EOSC GRAVITY

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Business models for the EOSC Federation

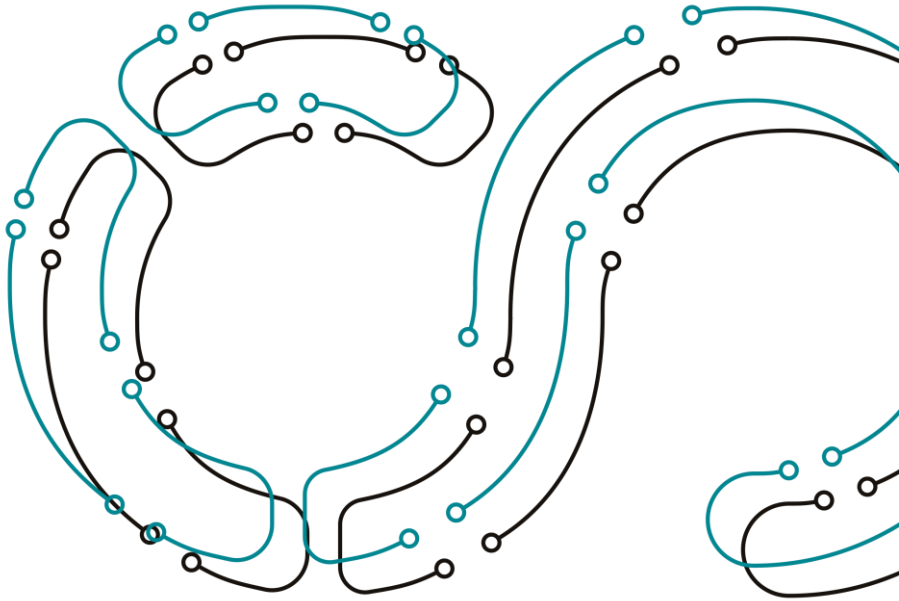
Credit model for the provision of digital services



Credit model for the provision of digital services

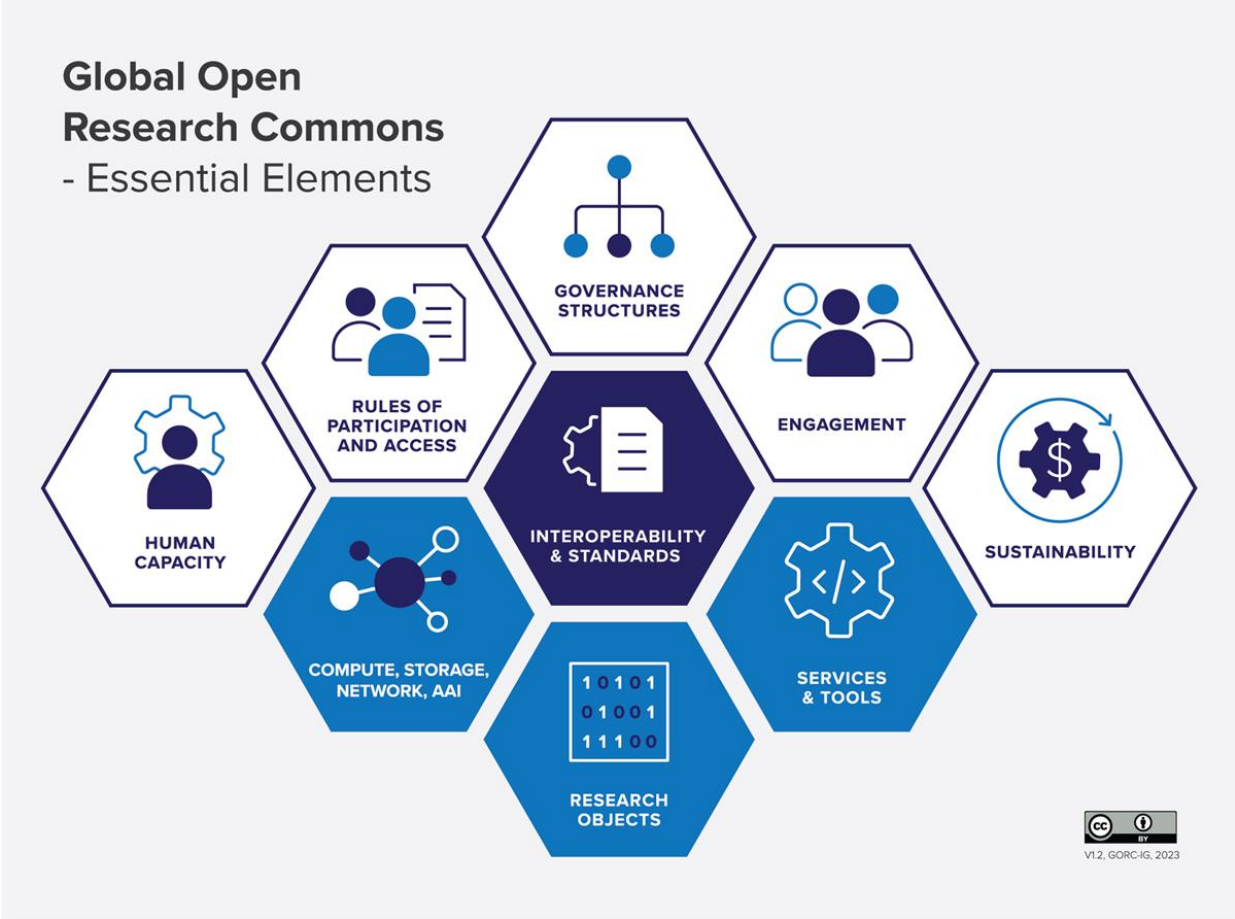
Ivar Janmaat

Manager SURF Research Cloud at SURF
EOSC.nl node operations



Credit model for the provision of digital services

Global Open Research Commons



Credit model for the provision of digital services

EOSC EU Node Resources and Services Onboarding Policy

- Contributors
- Resources and Services
- If hosted on the EOSC EU Node infrastructure resources, a Service must be provisioned under the **virtual credit model** of the EOSC EU Node
- A **User** must be able to consume their Credit Allocation of their **personal wallets**
- A **Group** must be able to consume their Credit Allocation of their **group wallets**
- The billing model (i.e., **Service Weights in credits**) for the Service must be defined
- The billing model may be **reservation-based** (perpetual or fixed duration) or **ondemand** (i.e., pay-as-you-go)

Credit model for the provision of digital services

Advantage of using virtual credits

- Researchers and teachers can distribute virtual credits much easier than money
- Discounts on virtual credits is placed outside the billing system => Billing and invoicing are separated => keeps the billing system simple
- Virtual credits mitigate risk of run-away processes by alerting at certain depletion levels and automatically pausing resources when all virtual credits are used.
- Virtual credits allow users to optimize their service use. No service lock-in.
- Service Weights in credits can be adjusted based on real costs of the service.

Credit model for the provision of digital services

Some things to be aware of when using virtual credits

- Is a virtual credit a voucher?
- EOSC EU node: “A virtual credit has no monetary value”
- At SURF you can buy virtual credits (1000 credits = 37 Euro)
- SURF virtual credits (vouchers) are part of a contract with our member institutions (B2B)
- B2C vouchers, sold directly to researchers, are protected by EU consumer protection rules
- There is a difference between:
  - Single-Purpose Voucher (National VAT)
  - Multi-Purpose Voucher (International VAT)

Credit model for the provision of digital services

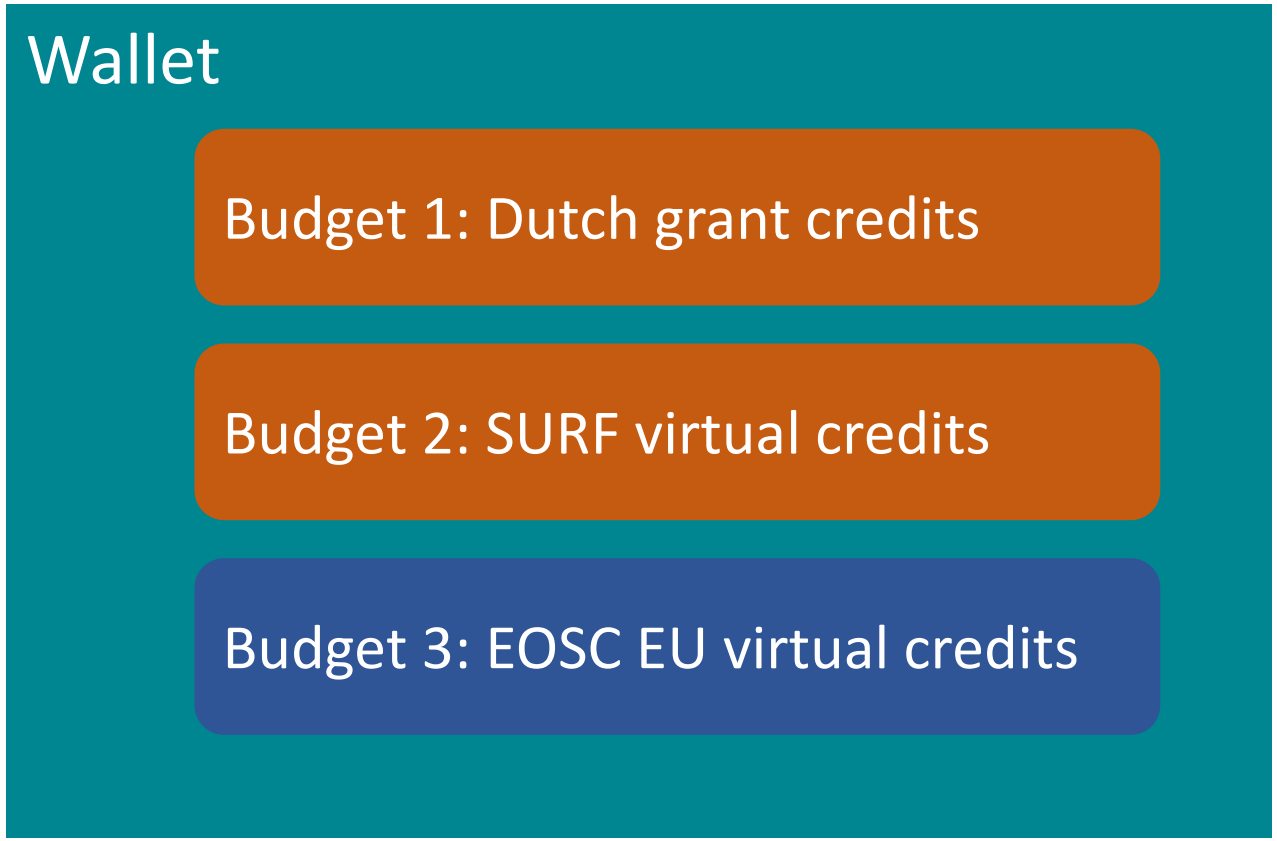
Virtual Credits at SURF

- We see SURF virtual credits as single purpose consumer vouchers
  - Can only be used at SURF
  - You can buy it at SURF
- We still have separate “virtual grant credits” because a compute grant has no monetary value attached to it.
- EOSC EU node credits can not be mixed or exchanged with SURF virtual credits or Dutch Grant credits
- Every virtual credit type is a separate Budget in the Wallet
- A Wallet of a Dutch Researcher can contain multiple Budgets (SURF virtual credits, Dutch Grant credits, EOSC EU node credits, budgets on other nodes the researcher is eligible for in the future)

Credit model for the provision of digital services

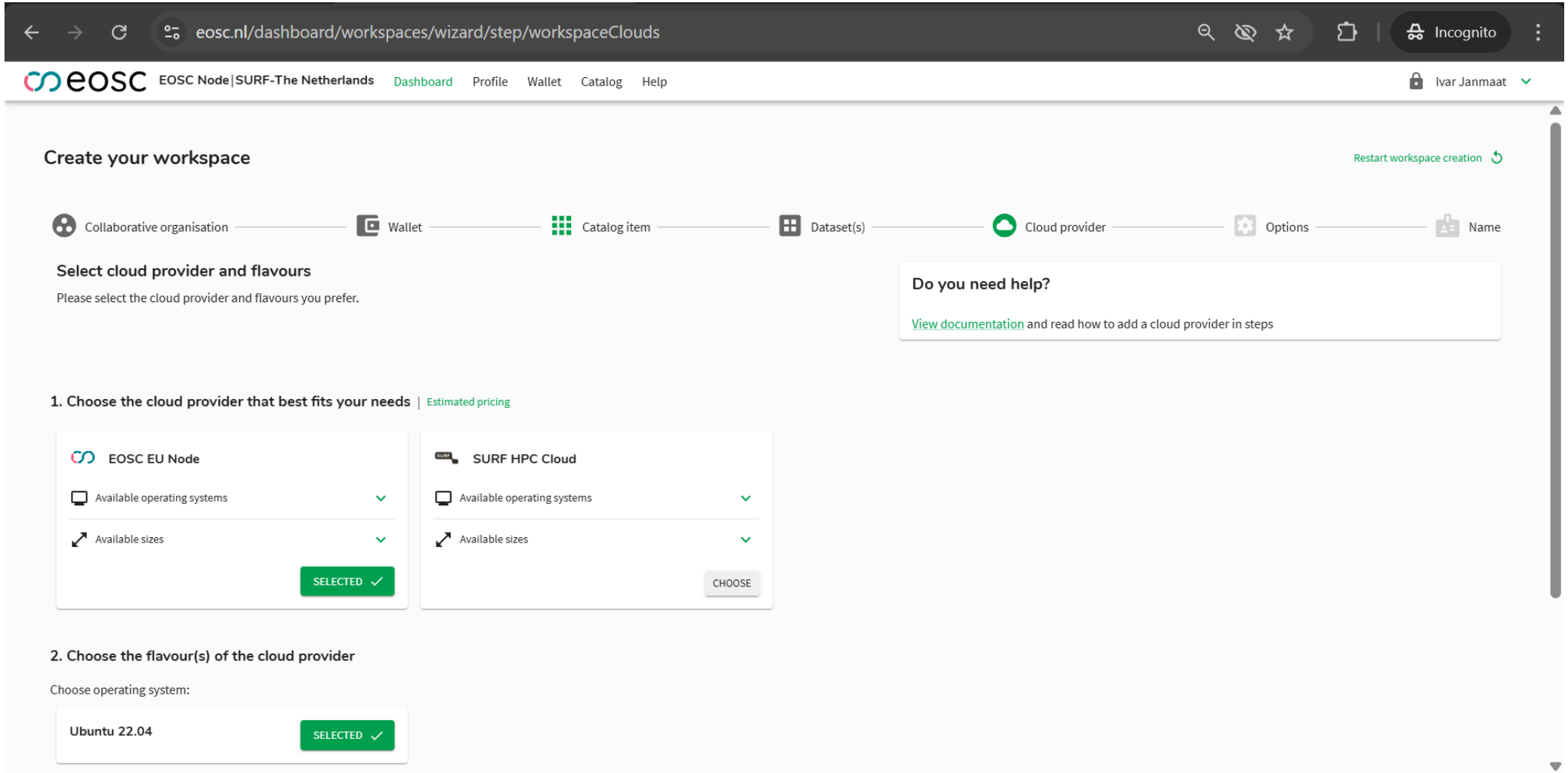
Wallet options

- Personal
- Project



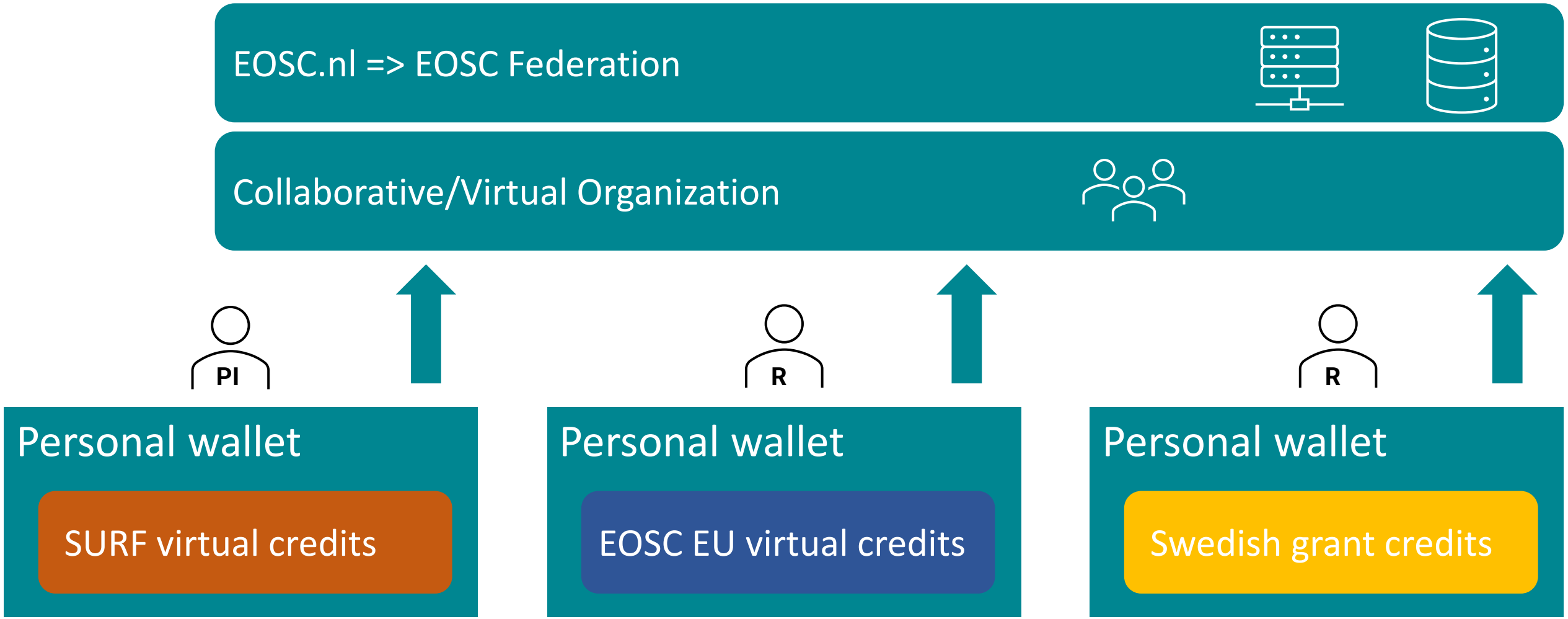
Credit model for the provision of digital services

Multiple Wallet => Multiple Clouds



Credit model for the provision of digital services

Wallet usage in the federation



Q&A

