

# **CIAO**

## **Cloud, Interoperability, Accessibility and Openness in public administrations**

*Brussels, 7 April 2011*

*Flavia Marzano*

*flavia (dot) marzano (@) gmail (dot) com*

# Neelie Kroes

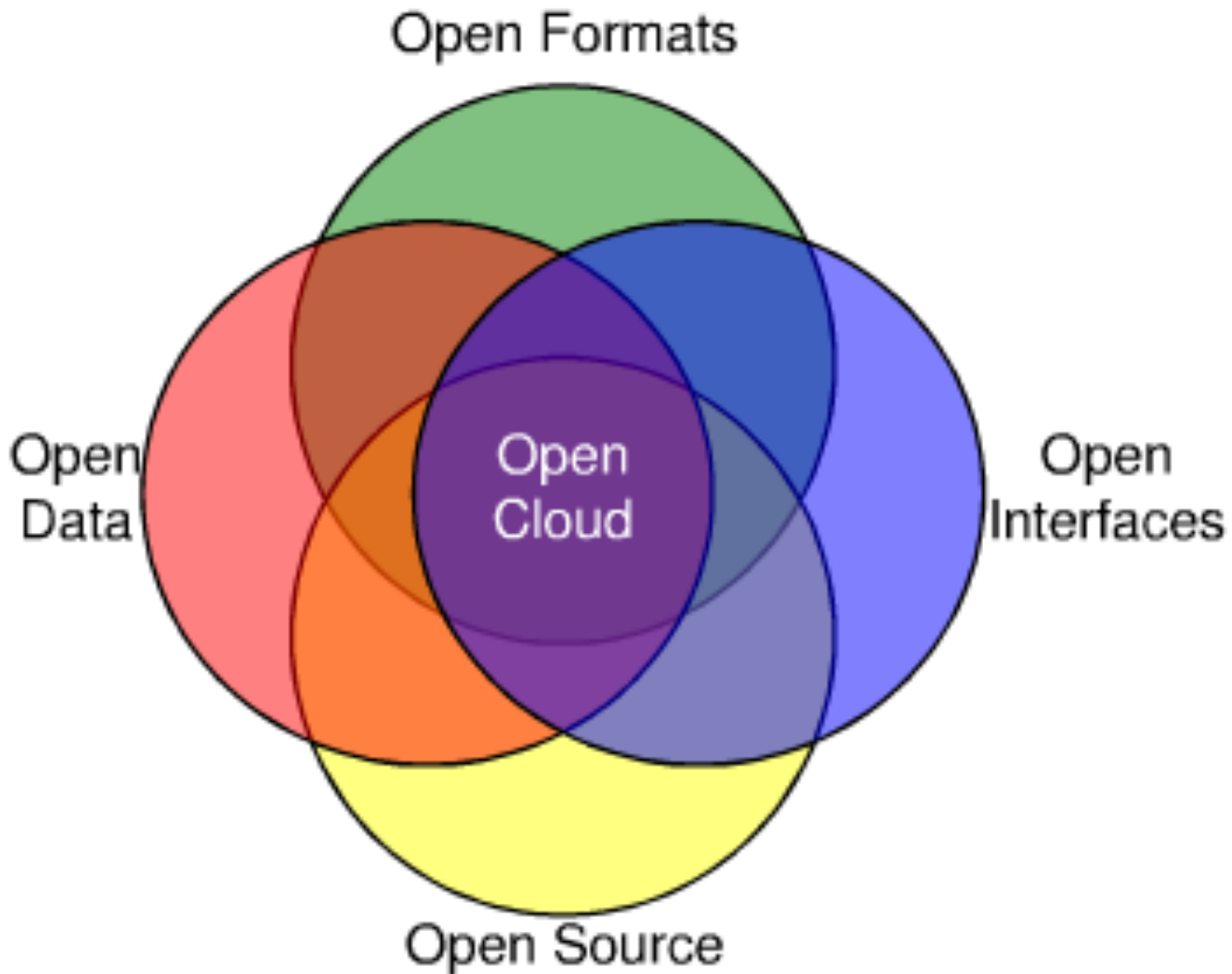
- The European commissioner in charge of Europe's digital agenda said **data protection, interoperability and standardization** are three of the core objectives of her policies.
- Users must be able to **change their cloud provider** easily
- **Open specifications** are a key in creating competitive and flourishing markets that deliver what customers need

## *...and I add...*

*...to data protection, interoperability and standardisation:*

- ***Accessibility***: *web accessibility and e-inclusion)*
- ***Openness***: *Open interface (open protocols, open API), open formats (ODF), open data (CC licenses, open knowledge), open source ...*

# *OCCL Vision: open ecosystem*



# *What do we also need*

- Allowing people to move applications from a SaaS, PaaS or IaaS provider to another
- Data, code and application portability
- available programming languages and libraries
- Knowing where web applications (PaaS), virtual servers (IaaS), and data are
- No vendor lock-in on data, tools, and software
- Security and Privacy

# *What do we also need*

- Integration with internal applications
- Performances, liability, Flexibility
- Regulations... local regulations (many countries have strict privacy laws that prohibit certain data from being stored on a physical machine located outside that country)
- Cost transparency
- Choice

# Principles of Open Cloud

<http://www.opencloudmanifesto.org>

1. Cloud providers must work together to ensure that the challenges to cloud adoption (security, integration, portability, interoperability, governance/management, metering/monitoring) are addressed through open collaboration and the appropriate use of standards.
2. Cloud providers must not use their market position to lock customers into their particular platforms and limit their choice of providers.
3. Cloud providers must use and adopt existing standards wherever appropriate. The IT industry has invested heavily in existing standards and standards organizations; there is no need to duplicate or reinvent them.

# Principles of Open Cloud

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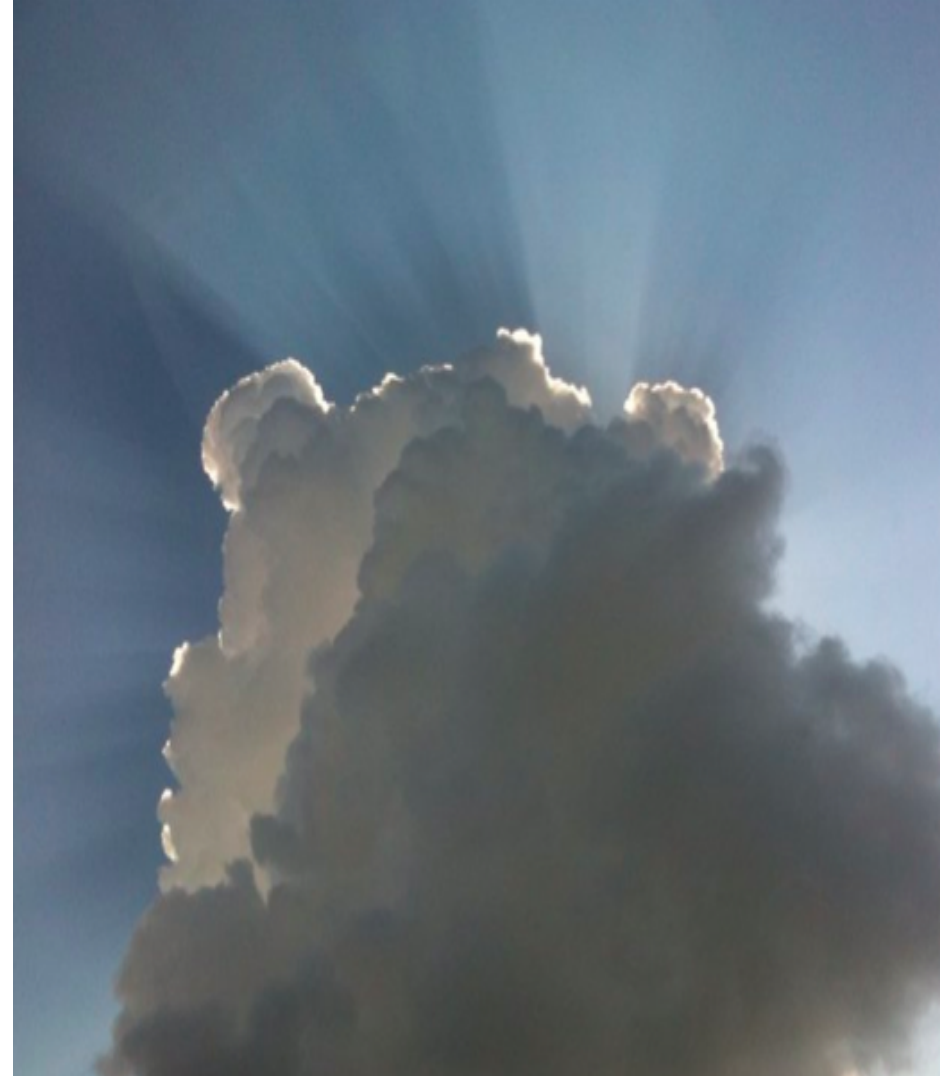
4. When new standards (or adjustments to existing standards) are needed, we must be judicious and pragmatic to avoid creating too many standards. We must ensure that standards promote innovation and do not inhibit it.
5. Any community effort around the open cloud should be driven by customer needs, not merely the technical needs of cloud providers, and should be tested or verified against real customer requirements.
6. Cloud computing standards organizations, advocacy groups, and communities should work together and stay coordinated, making sure that efforts do not conflict or overlap.

# Cloud

I am not against Cloud Computing...

I just want to point out some danger

Sometimes the clouds bring rain! 😊



***Thank you for you attention***

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