



Quoting and Billing: Commercialization of Big Data Analytics

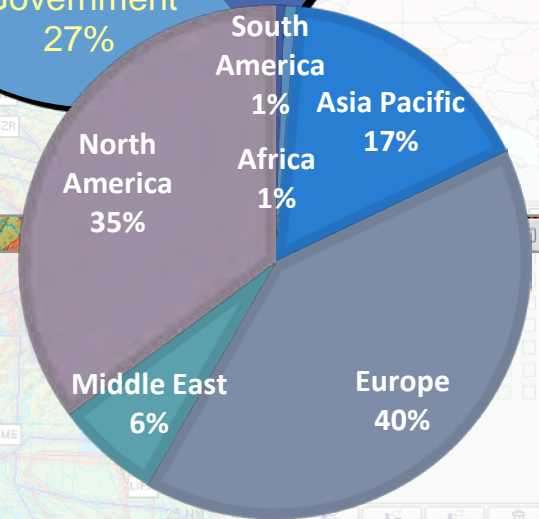
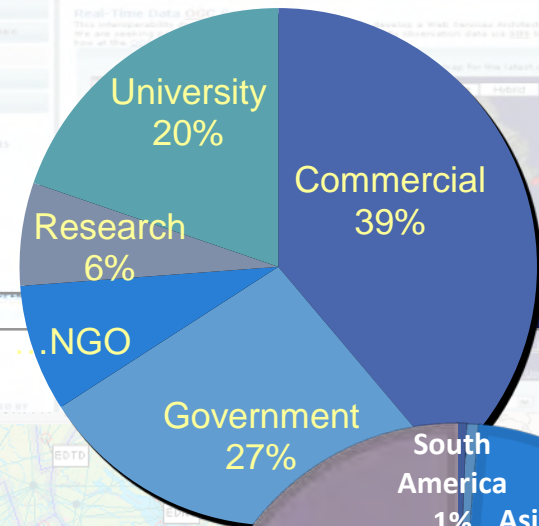
Dr. Ingo Simonis
BIDS'19, February 2019

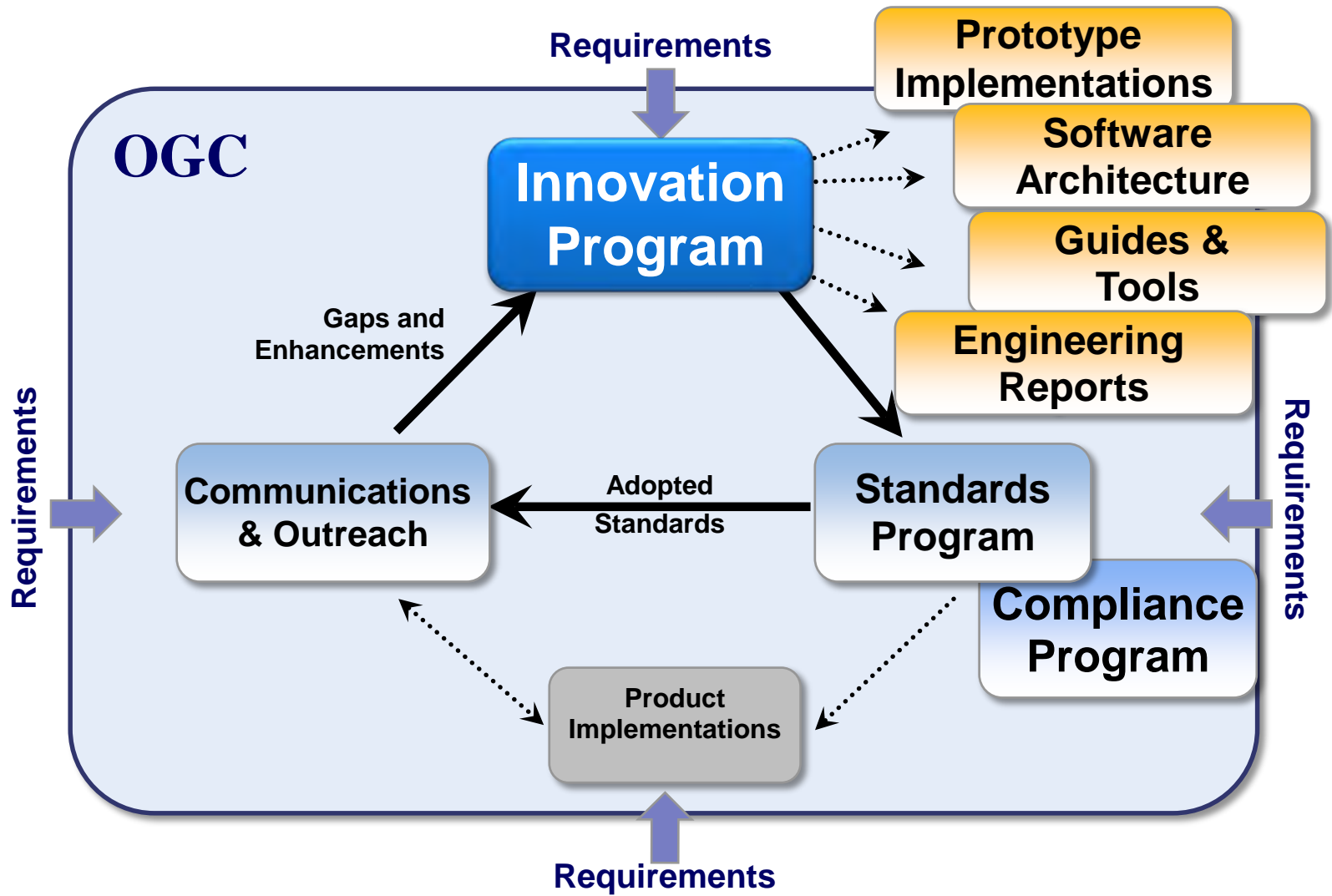
Voluntary consensus standards organization

25th Anniversary

International

Research & Development



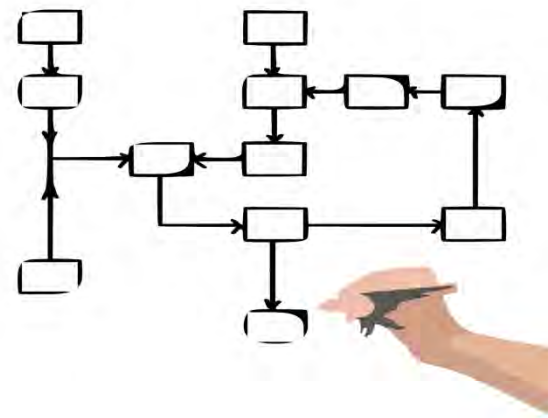
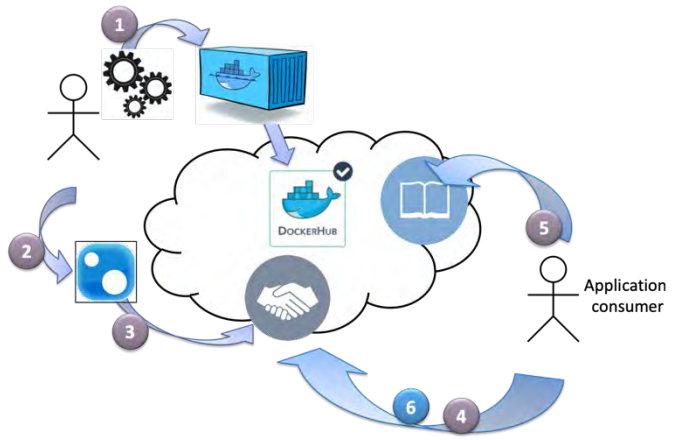


WFS 3.0
RESTful Geospatial Services
Quality of Service
MapML
Earth Observation Platforms
Machine Learning & AI
Aviation Registries & Semantics
Web Services Security
Swath Data and CF Convention
3D LIDAR for First Responders
Federated Clouds & Workflows
OGC Compliance Testing
Information modelling
Augmented Reality
Geospatial Data Portrayal
Modeling & Simulation

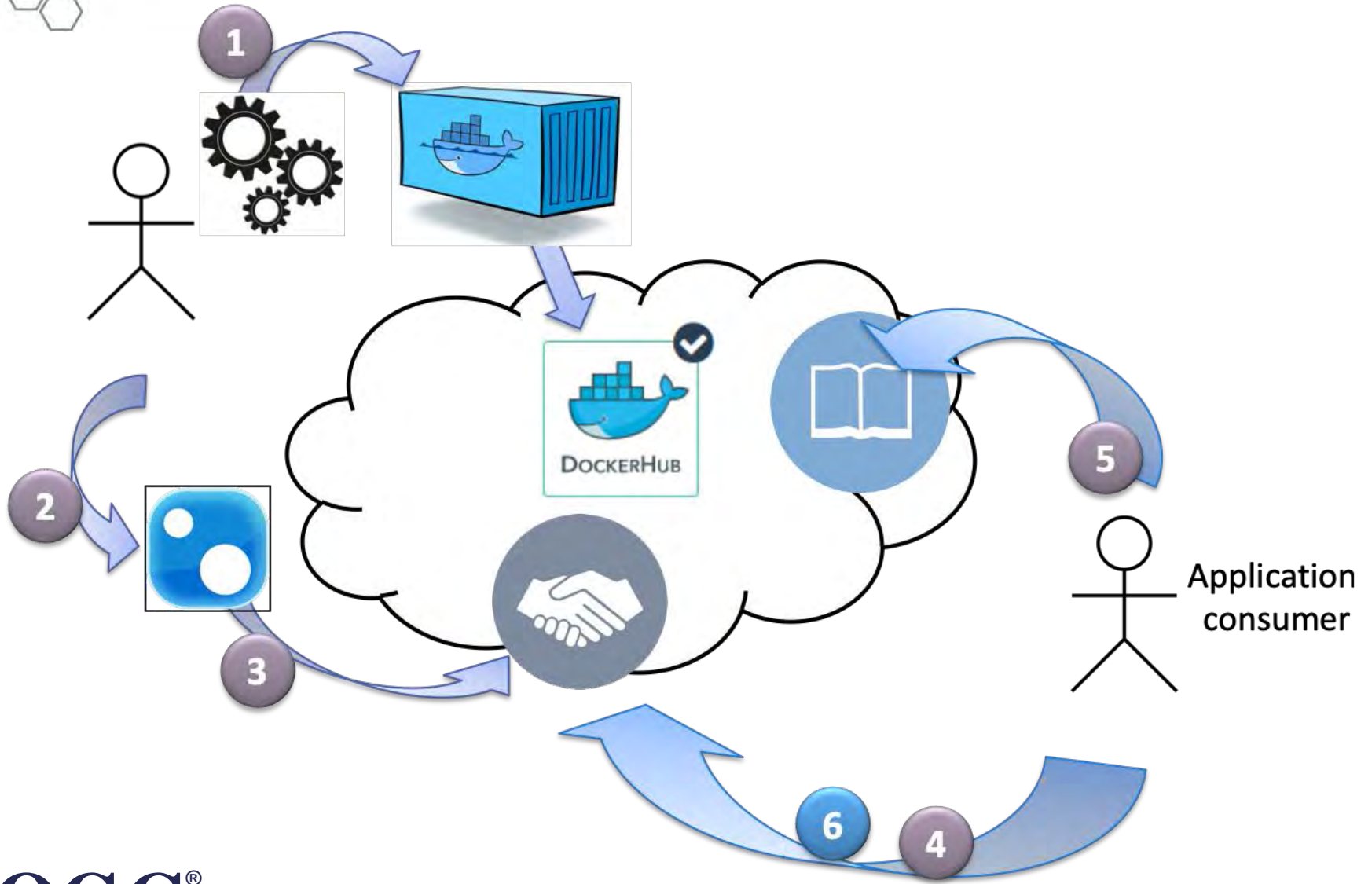
TESTBED

14

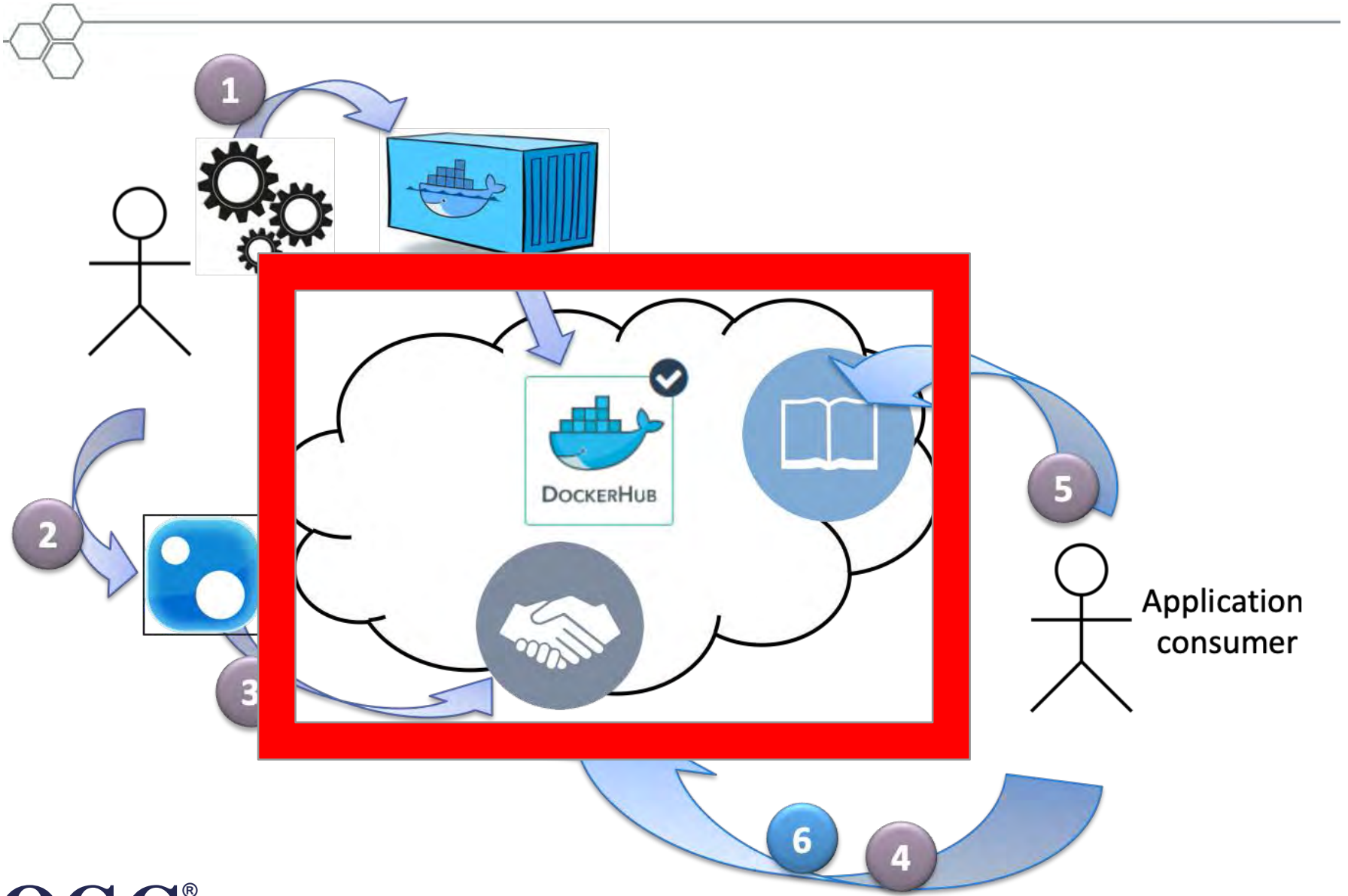
EO Applications in the Cloud: Challenge

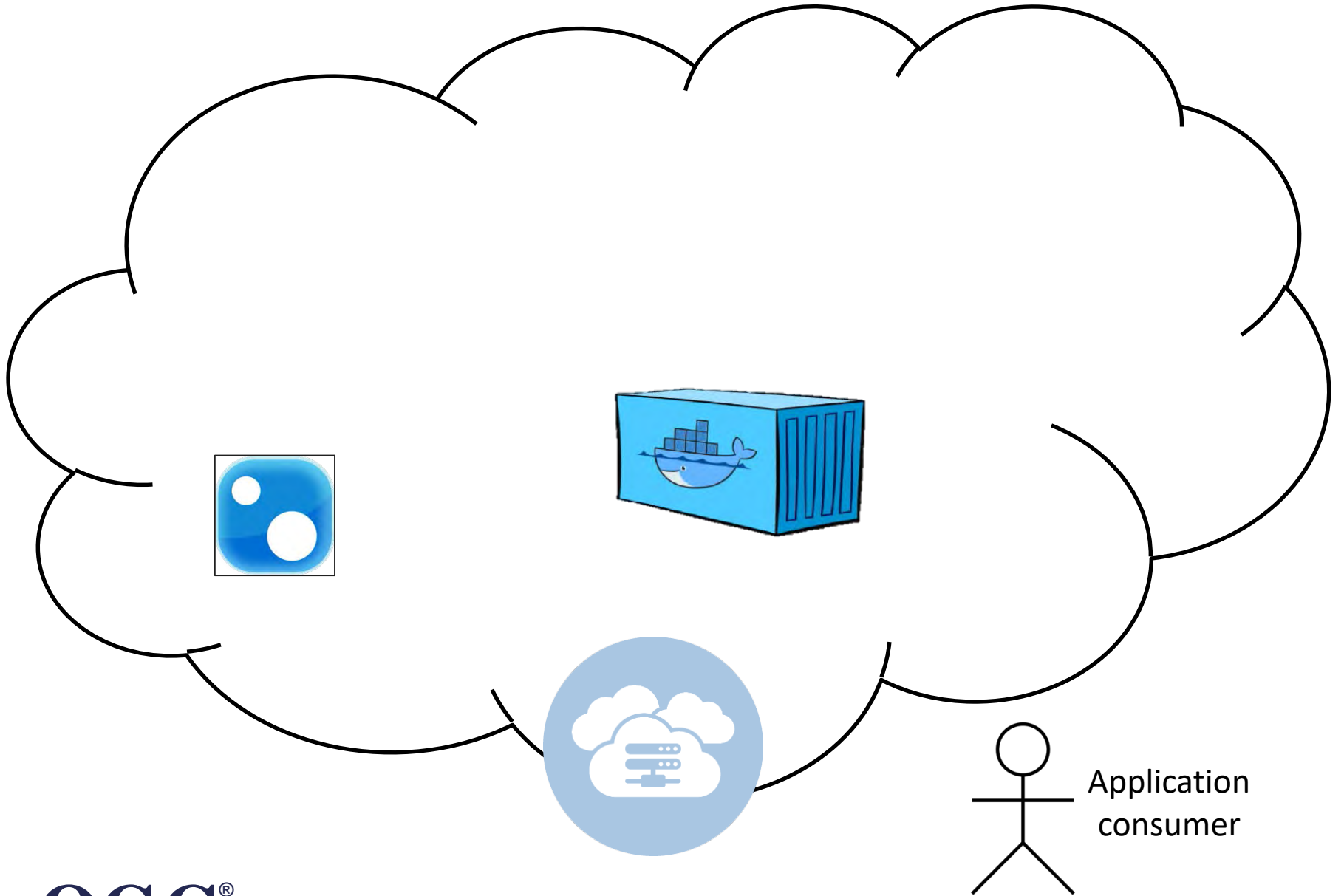


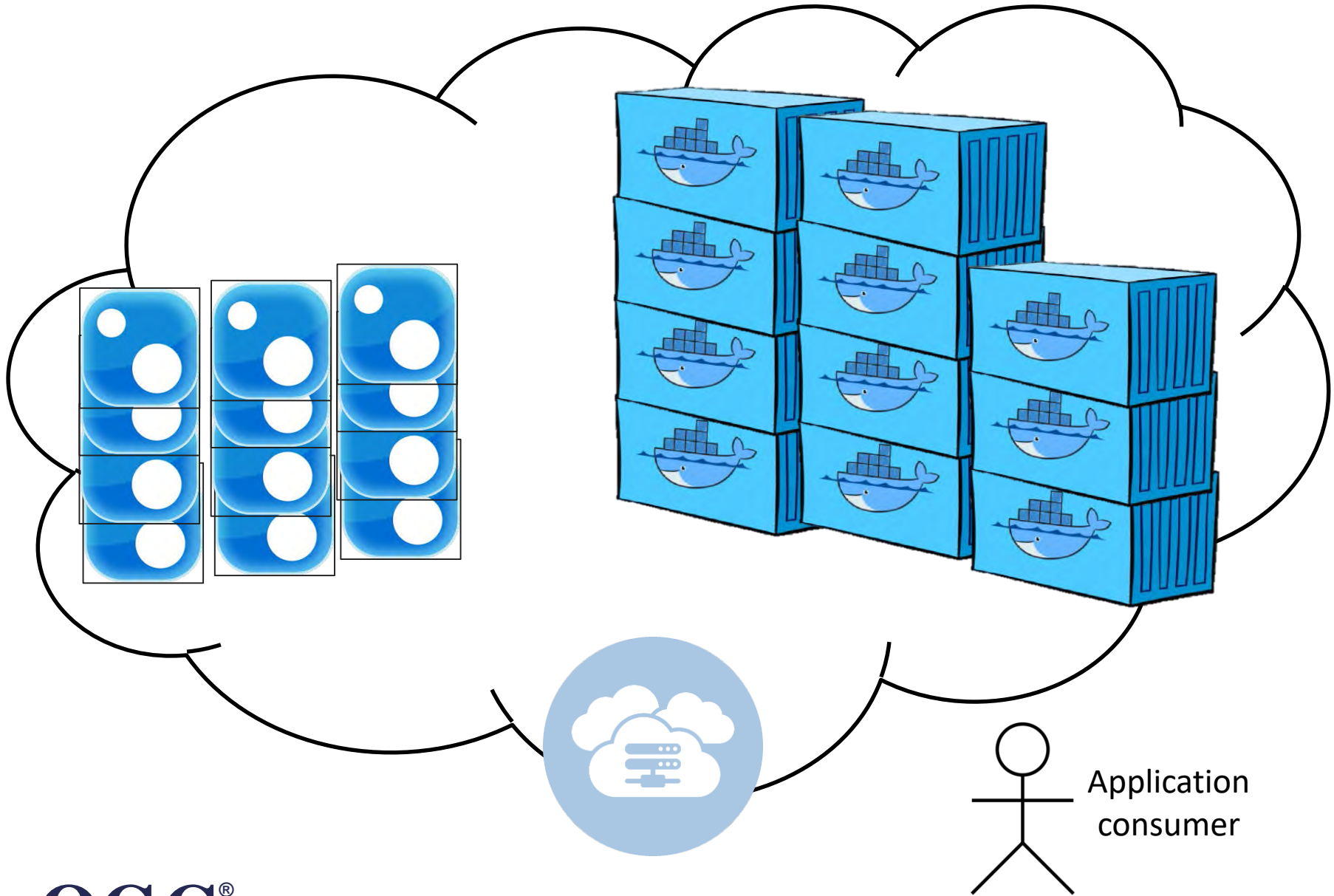
EO Applications in the Cloud

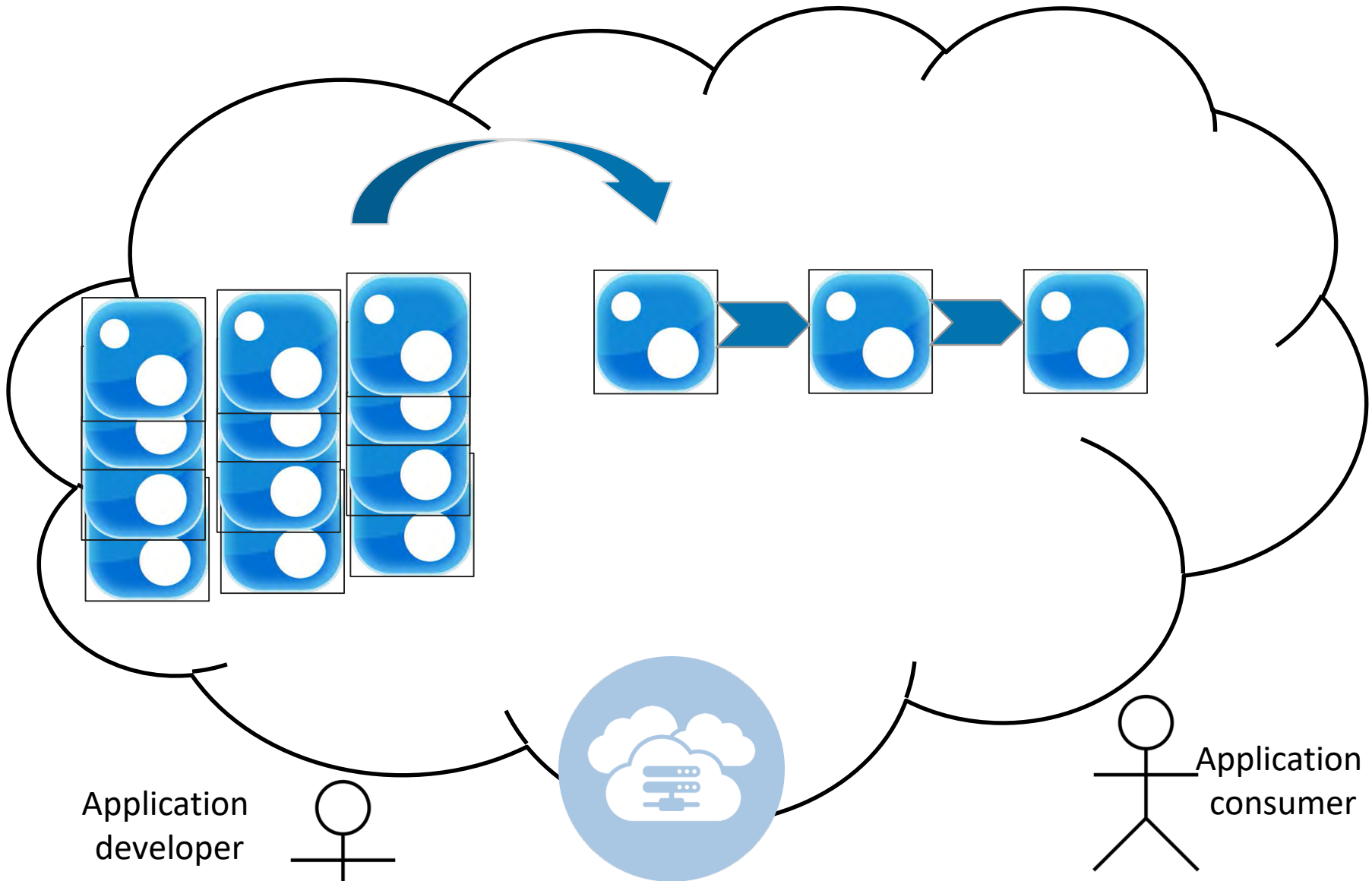


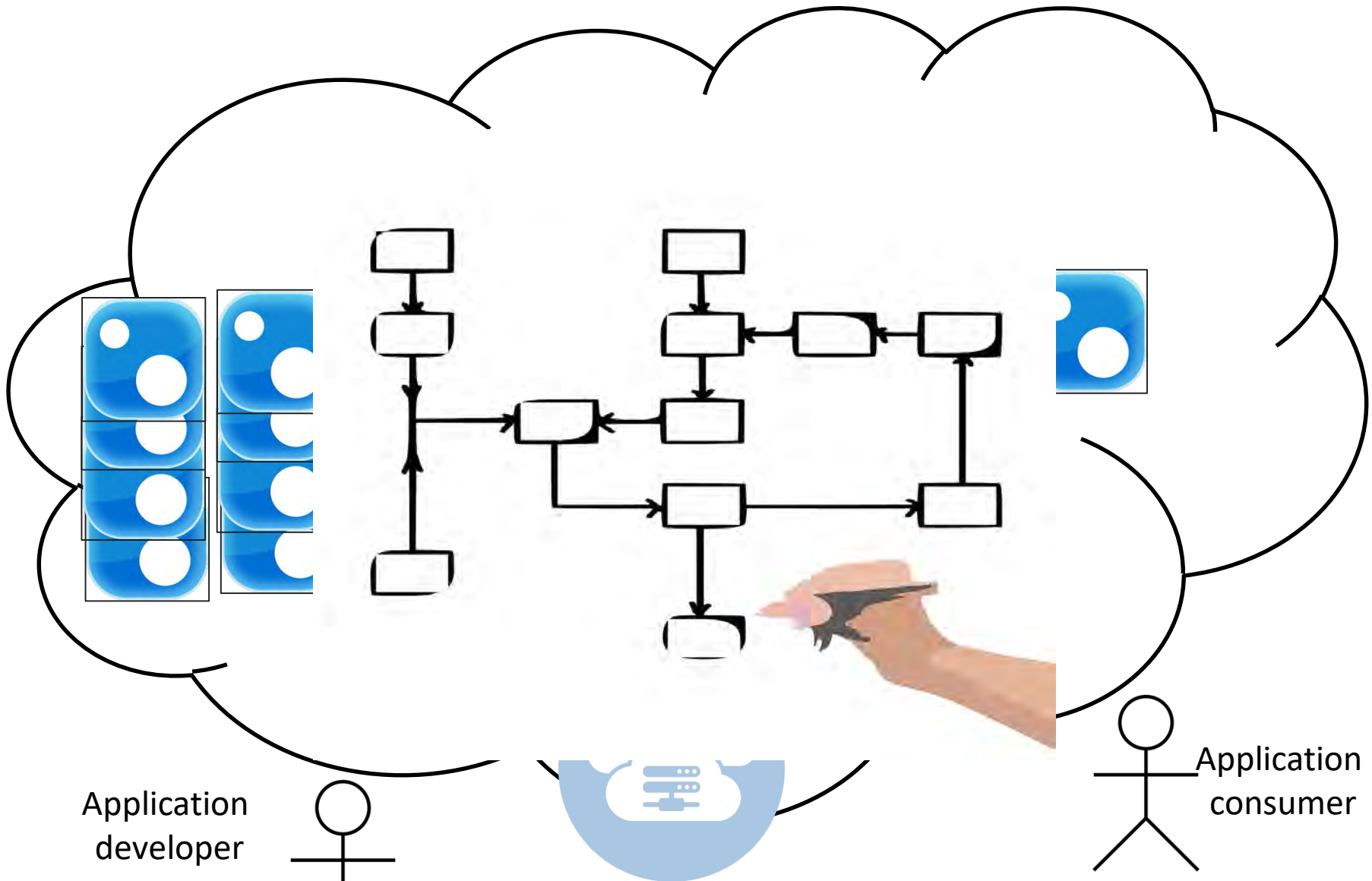
EO Applications in the Cloud: Challenge



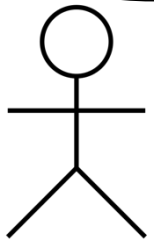




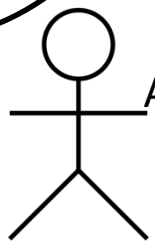




Application developer



Application consumer









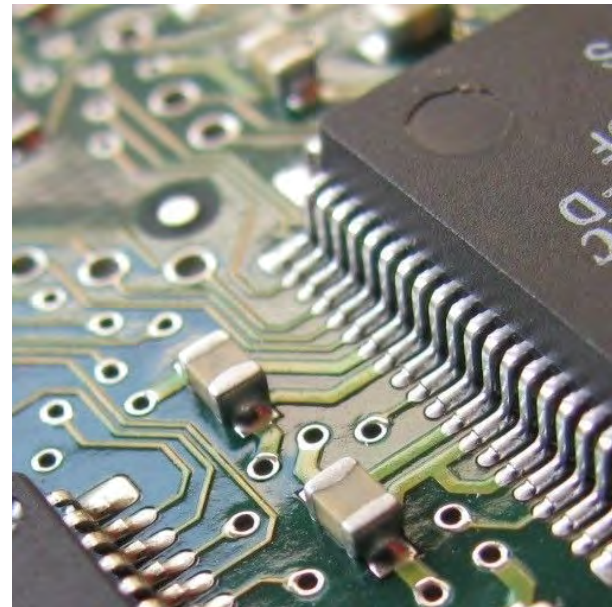




Computing cycles

Storage capacity

Value added services



Problem: complex ecosystem



Platform: X platforms, Y implementers

Infrastructure: Z suppliers

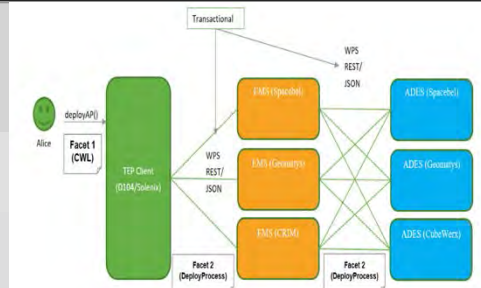
App developer
s



- Develop once
- Benefit from $X * Y * Z$ explosion
- Not care about details



Building Blocks: AP, ADES, EMS



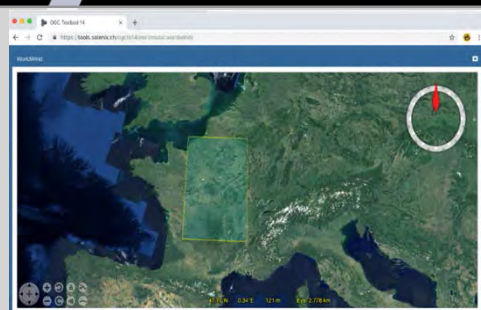
Workflows integrated

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  }
}
```

Quoting and Billing API & Model

Name	Description	Schema
alternativeQuotations	optional	< alternativeQuotation > array
created	The date and time (ISO 8601 format) when the quotation was created	string (date-time)
currency	Currency code in ISO 4217 format	string
description	A description of what the quotation is related	string
details	optional	string

Implemented & Tested





TESTBED-15

Discovery of Apps

Apps and their applicable data — 15

Integration with deployed processes

Next Steps



- **Maturity Testing**
 - Real data
 - Real services
 - Real processes
 - Real quoting and billing

