When is it optimal to find relevant prior art and possible collaboration for your projects?
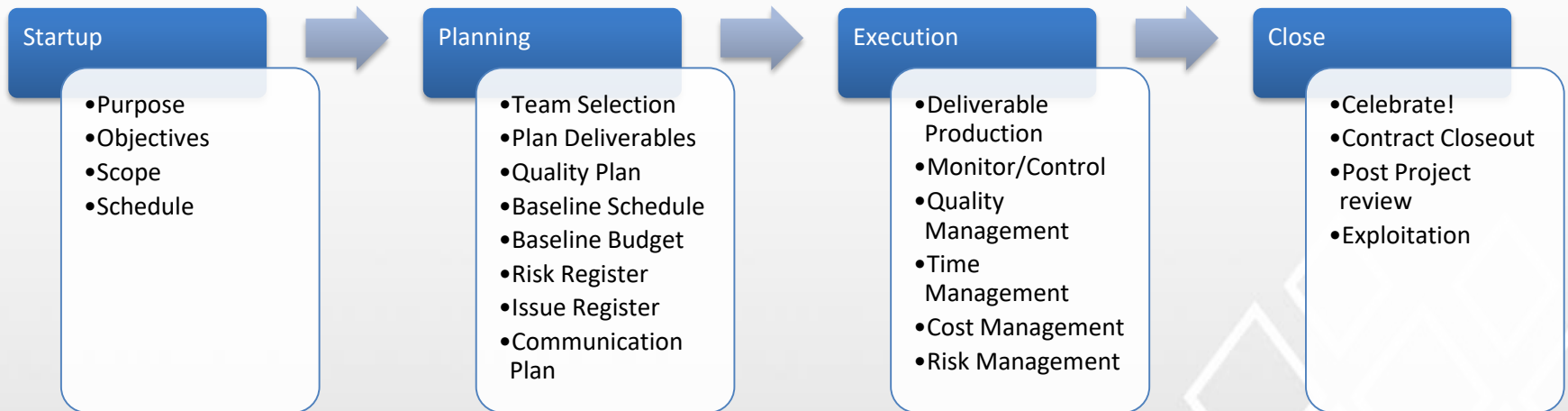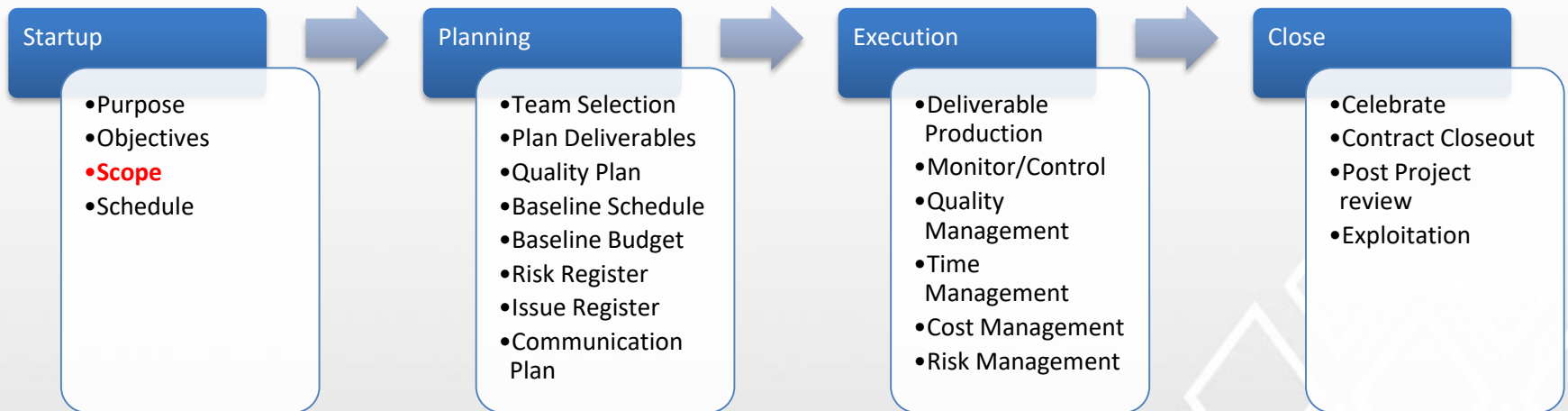
David Wallom

University of Oxford

Project Lifecycle
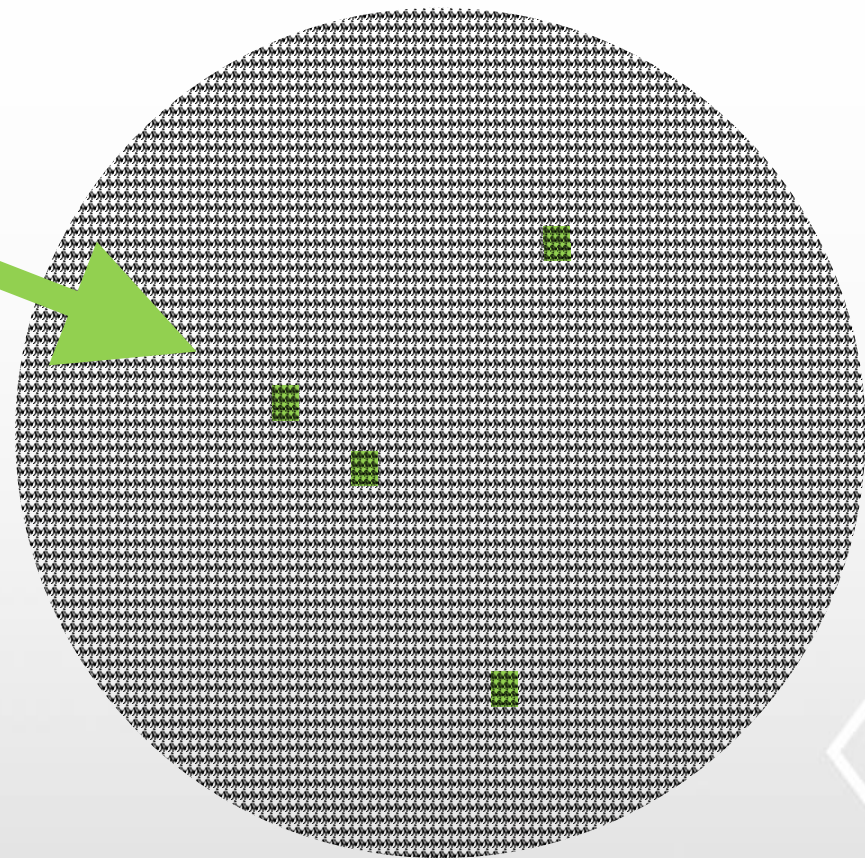
Startup
- Purpose
- Objectives
- Scope
- Schedule

Planning
- Team Selection
- Plan Deliverables
- Quality Plan
- Baseline Schedule
- Baseline Budget
- Risk Register
- Issue Register
- Communication Plan

Execution
- Deliverable Production
- Monitor/Control
- Quality Management
- Time Management
- Cost Management
- Risk Management

Close
- Celebrate!
- Contract Closeout
- Post Project review
- Exploitation

Project Lifecycle

Startup
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- **Scope**
- Schedule

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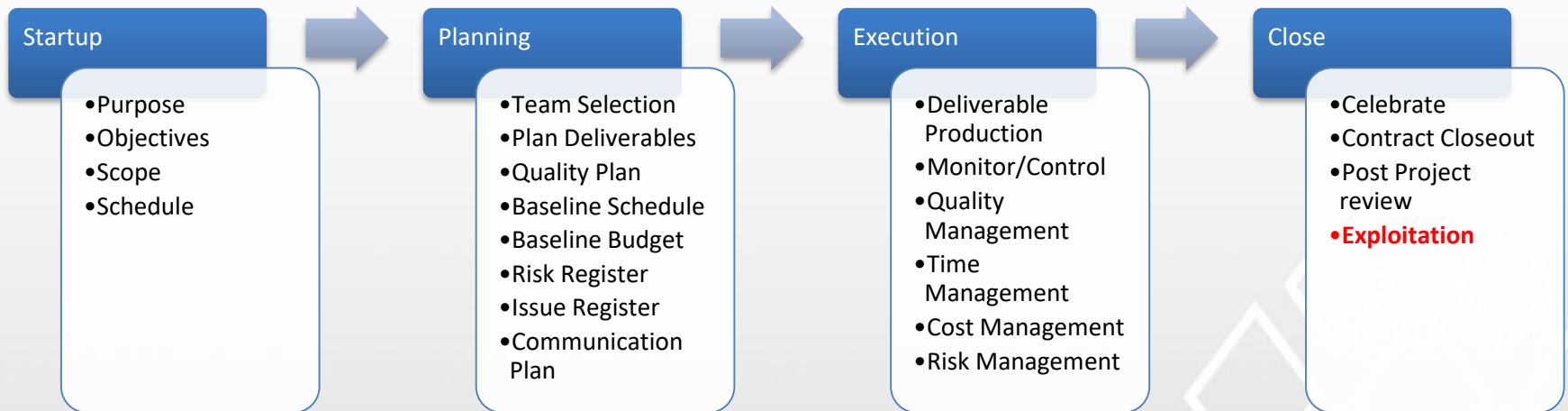- Exploitation

Specific technically relevant projects in your domains

Your project!

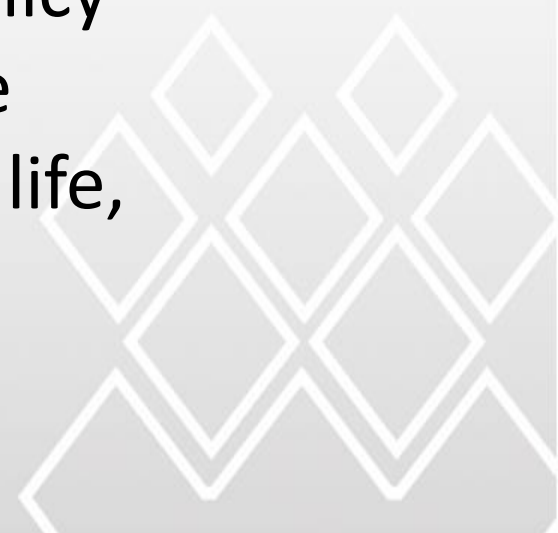All past and present EC & national, commercial & private sector projects in the domain

Project Lifecycle

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Close
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- Post Project review
- **Exploitation**

Impact

'an **effect** on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, beyond academia'

Recap…

◆ Startup

  ◆ How do I find paths already trodden for good & bad?

◆ Close

  ◆ How do I ensure dissemination of my project outputs to relevant consumers to build impact who maybe 'speak a different (commercial) language?
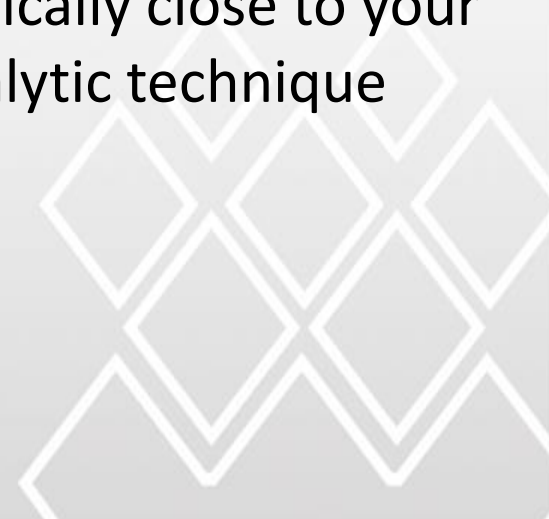
We can help you...

...find relevant other projects
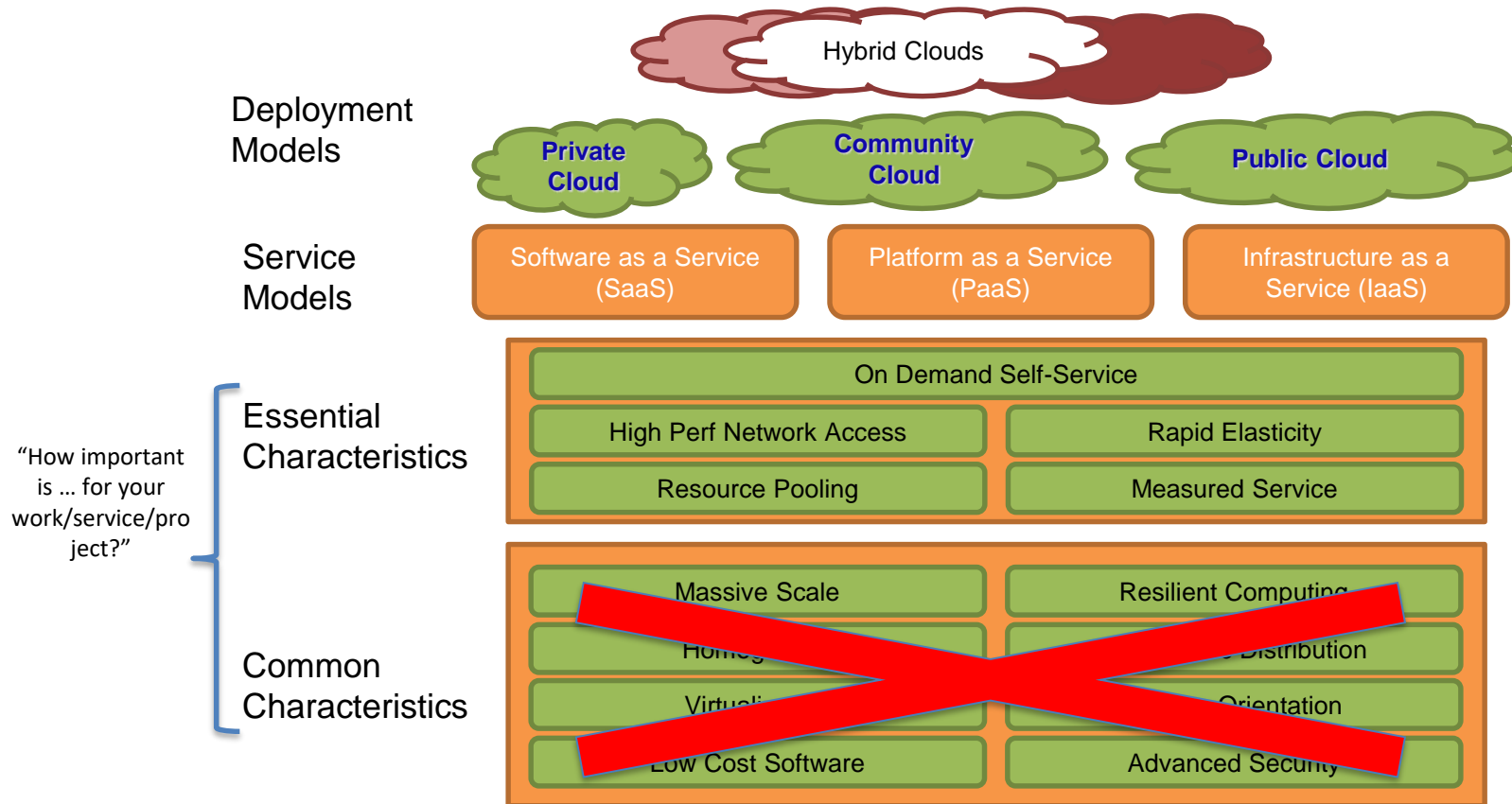## ...market myself to be found by others

CloudWATCH Cloud landscape clustering app

Identify those projects or activities that are technically close to your own project through a reliable repeatable analytic technique
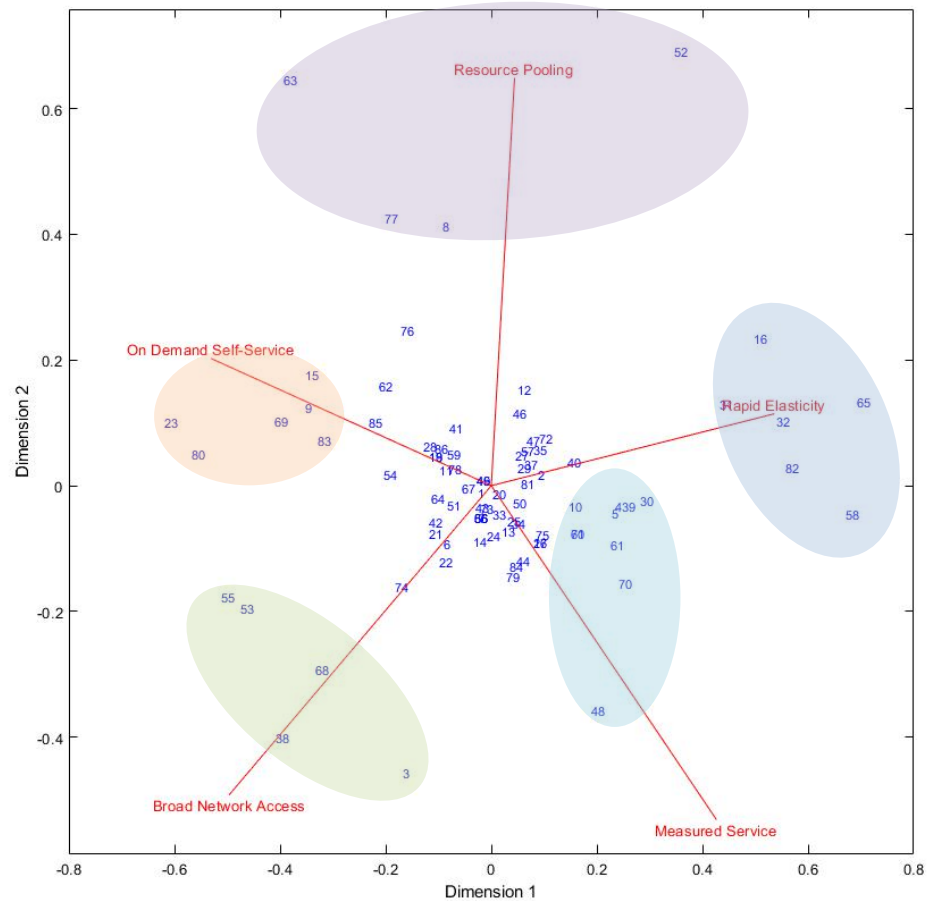
The NIST Cloud Definition Framework

Deployment Models

Hybrid Clouds

Private Cloud

Community Cloud

Public Cloud

Service Models

Software as a Service (SaaS)

Platform as a Service (PaaS)

Infrastructure as a Service (IaaS)

Essential Characteristics

"How important is ... for your work/service/project?"

On Demand Self-Service

High Perf Network Access

Rapid Elasticity

Resource Pooling

Measured Service

Common Characteristics

Massive Scale

Resilient Computing

Homog... Distribution

Virtuali... Orientation

Low Cost Software

Advanced Security

Based upon original chart created by Alex Dowbor - http://ornot.wordpress.com
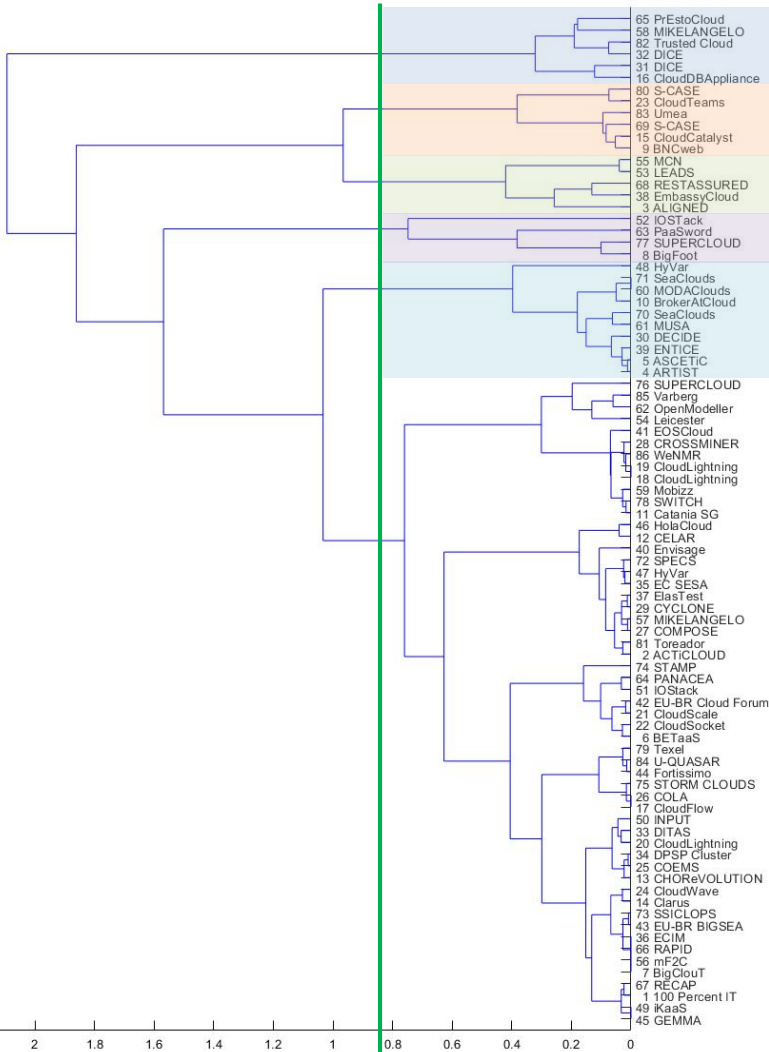
10

A bit of statistics

Principal Component Analysis

- Multi-variance analysis
- Emphasises variance and patterns in data
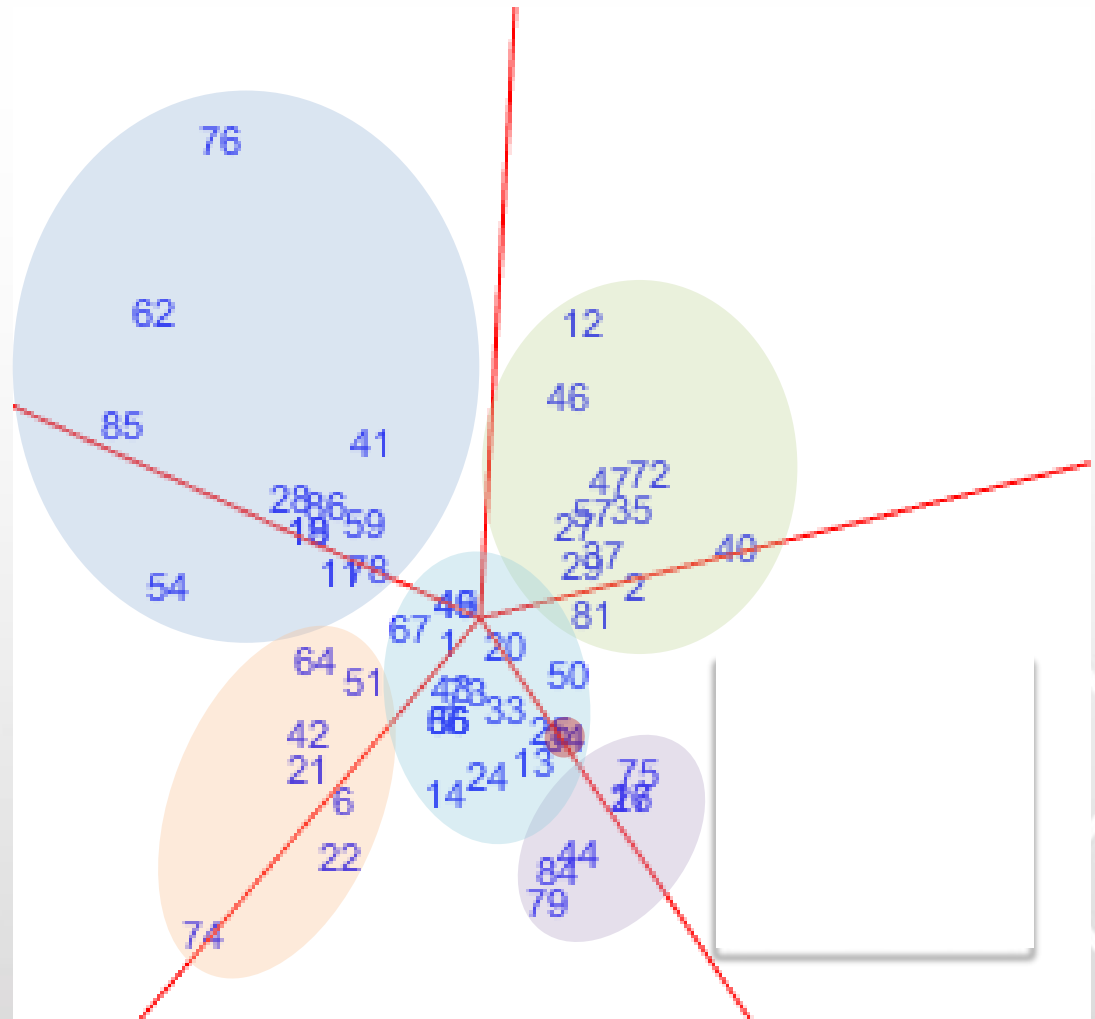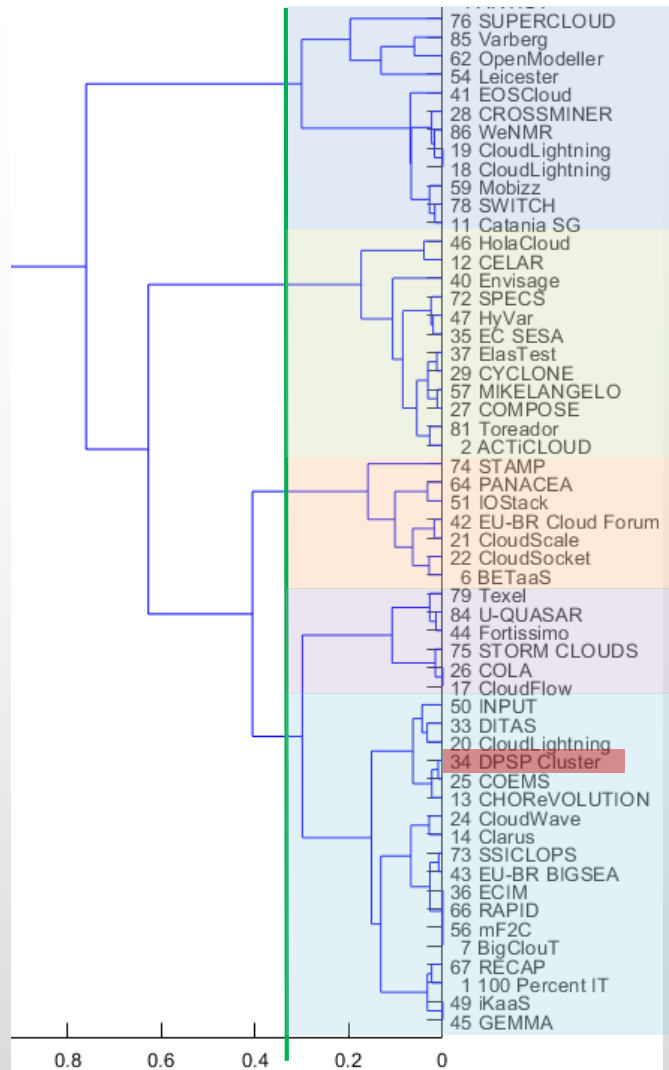- Data transformation for dimension reduction in analysis

Hierarchical clustering using Euclidian distance

- Form clusters of "similar" respondents, starting with 1-member clusters
- "Similarity" (i.e., distance) calculated using Euclidian distance function
- Distance between clusters uses "weighed pair-group centroid"
    - → performs well with large variance in cluster sizes

Can I have a go?

A call to action

◆ The more data, the better!

Please submit your response!

Please ask your network to add their scores, too!

◆ What you will get out of it

   ◆ Free analyses, and as many as you like!

   ◆ Free dissemination – anyone using the tool will see your name!

   ◆ Free media coverage – listing in cloudwatchhub.eu directory

Thank you!