Task Force Application Form

Please use this form to submit a request to create a new task force within the Helix Nebula initiative. The rules for creating and operating a task force are explained in the HNI governance rules document.

Title: *Scalability and Architecture Task Force*

Participants:

Leader:

Duration: *12 months*

Description: *Develop an overarching architecture building on complementarity of Helix Nebula suppliers enabling a scalable end-to-end INFOaaS ecosystem.*

> "INFOaaS is subject to network effects as its value increases for each user as the number of users grows. The more data providers share data, the more complete the services will become. INFOaaS is a multisided platform ecosystem. This kind of ecosystems faces the life-cycle challenge of (1) fast implementation, (2) adoption, (3) scaling, and (4) competition "[1]

---

[1] http://www.helix-nebula.eu/publications/deliverables/d74-information-service-–-towards-value-co-creation-in-european-cloud

Objectives:

	Objective	Implementation
1	Clarification of INFOaaS ecosystem and impact of network effects	Brief description of a common understanding of INFOaaS, considering all possible point of views of HN participants (ICTR, broker, data provider, IPR provider, market place operator,… paying customer, auditors)
2	Identification of complementarities of partners and competitors, considering the entire environment (big picture: strategies of partners, EC and MS policies & actions to implement these policies considering decision making processes). How can these complementarities be put together?	(i) Creation of an initial value chain ensuring that each partner is position to meet his strategic objectives. (ii) Identification of concrete steps to initialise the Market Place. (iii) Identification of existing and planned funding schemes, and the possibilities to create new ones.
3	Identification of concrete business cases with concrete assumptions materialising ROI	Identification of partners R&D outcome & services and analyse the business case where these IPRs can deliver information that someone is willing to pay for. Networking effect over time based on agreed assumptions with anchor tenants need to be clarified.
4	Identify procedure for ramp up resources (adding new providers, increasing existing providers offerings...) by anticipating market needs	

Expected Output:

Output	Description	Due date
INFOaaS ecosystem doc for dummies	Document describing very clearly within a few pages the underlying business model. The power of INFOaaS is the Network effects, meaning that the success relies on growth. Therefore business and researchers need to understand quickly the benefit in joining.	M0+6
Initialisation scenario - kit	(i) Document describing the overarching architecture (ii) Initialization kit with respect of data, applications, initial users and projects and budget (iii) List of means and resources to implement the architecture, allowing cash-flow to start.	
Definition and checkpoints for success	Plan from initialization to sustainable growth with clear check points. If the checkpoints are not met a procedure needs to be established ensuring quick fixes.	M0+12