Work package number	3	Lead beneficiary		UNIGRAZ
Work package title	**Discovery in federated networks**			
Participant number	8		9	
Short name of participant	SRC	UNIGRAZ		
Person month per participant	X		X	
Start month	13			
End month	36			

Objectives
- Develop a evolutionary-biology inspired framework for discovery in federated networks
- Derive functionality rules required for computation discovery in federated networks
- Adaptive learning rules to discover novel paths for sustainability of the Seas

Description of work

Task T3.1: Develop eco-evolutionary biology-inspired modeling for discovery in federated networks (M13-M36) *Leader: **SRC**. Contributors: 10*

This task extends eco-evolutionary biology-inspired modeling for general principles of discovery in federated networks... Jon:Keep elaborating

Task T3.2: Develop evolutionary neurobiology-inspired algorithms... (M13-M36) *Leader: **UNIGRAZ**. Contributors: 9*

... T3.2 provides computation algorithms with evolving neurons with (many) traits and interactions to allow WP3 to implement this feature in discovery in federated networks.... Wolfgang:Keep elaborating

Task T3.3: Based on the framework developed in T3.1 and T3.2, ICREA will derive automation rules for discovery in federated networks (M25-M36) *Leader: **ICREA**. Contributors: 3*

Automation rules for eco-evolutionary and neurobiology-inspired modeling for discovery in federated networks Roger:Keep elaborating

Task T3.4: Reproduce (M21-M27) *Leader: **SDSC**. Contributors: 4*

In this task the SDSC will merge the work done in T3.1 and T3.2 into reproducible and replicable discovery in federated networksChristine:Keep elaborating

Task T3.5: Visualize (M21-M27) *Leader: **SME**. Contributors: 5*

In this task the partner SME will apply visualization algorithms to the work done in T3.1 and T3.2Charles:Keep elaborating

Task T3.6: Sustainability of the Seas federated network (M21-M30) *Leader: **UNIGRAZ**. Contributors: 6,7,8,9,10*

All participants apply results from eco-evolutionary and neurobiology-inspired algorithms into a fully automated, reproducible and animated sustainability of the Seas federated network case study

Deliverables

D3.1 Demonstrator on eco-evolutionary biology-inspired rules for discovery in federated networks **(M30)**
D3.2 Demonstrator on evolutionary neurobiology-inspired rules for discovery in federated networks **(M36)**
D3.3 Automated demonstrator of for evolutionary biology-inspired rules in federated networks **(M36)**
D3.4 Reproducible demonstrator of evolutionary rules in federated networks **(M36)**
D3.5 Visualization demonstrator of evolutionary rules for discovery in federated networks **(M36)**
D3.6 Demonstrator all parts for the sustainability of the Seas federated network case study **(M36)**

Work package number	4	Lead beneficiary		IEO
Work package title	**Dissemination**			
Participant number	10	11		
Short name of participant	IEO	SEM		
Person month per participant	X	X		
Start month	1			
End month	36			