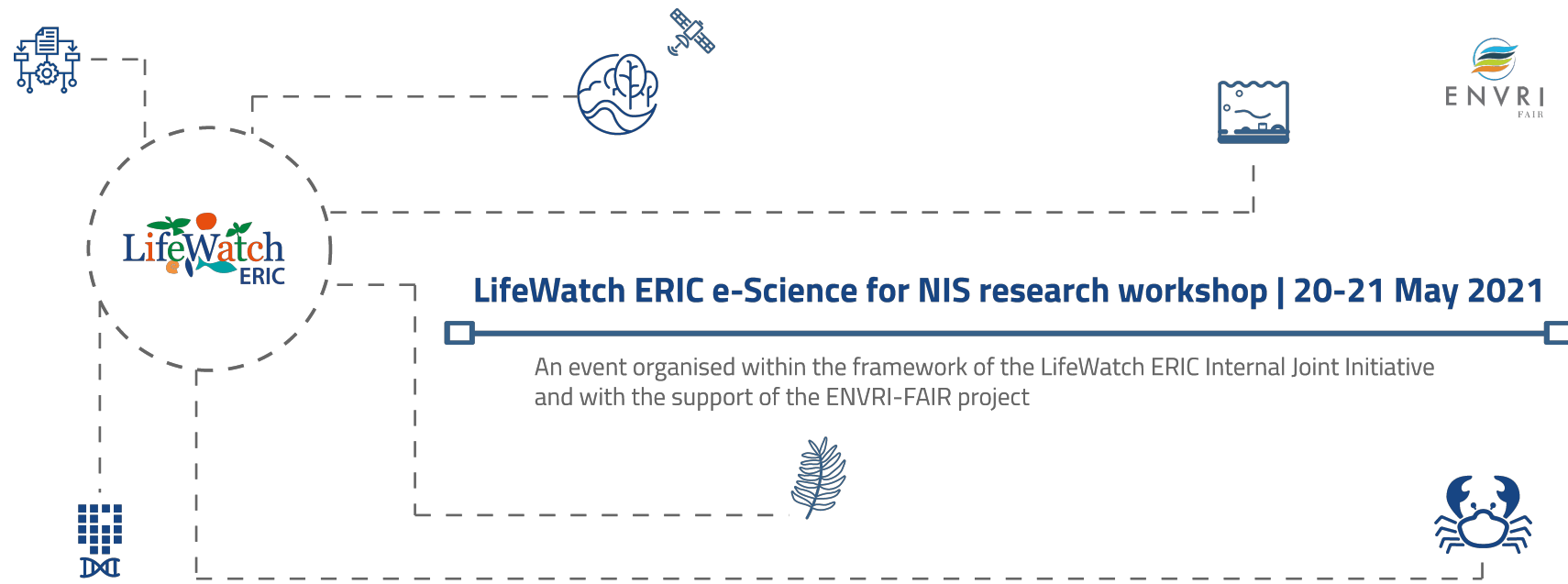




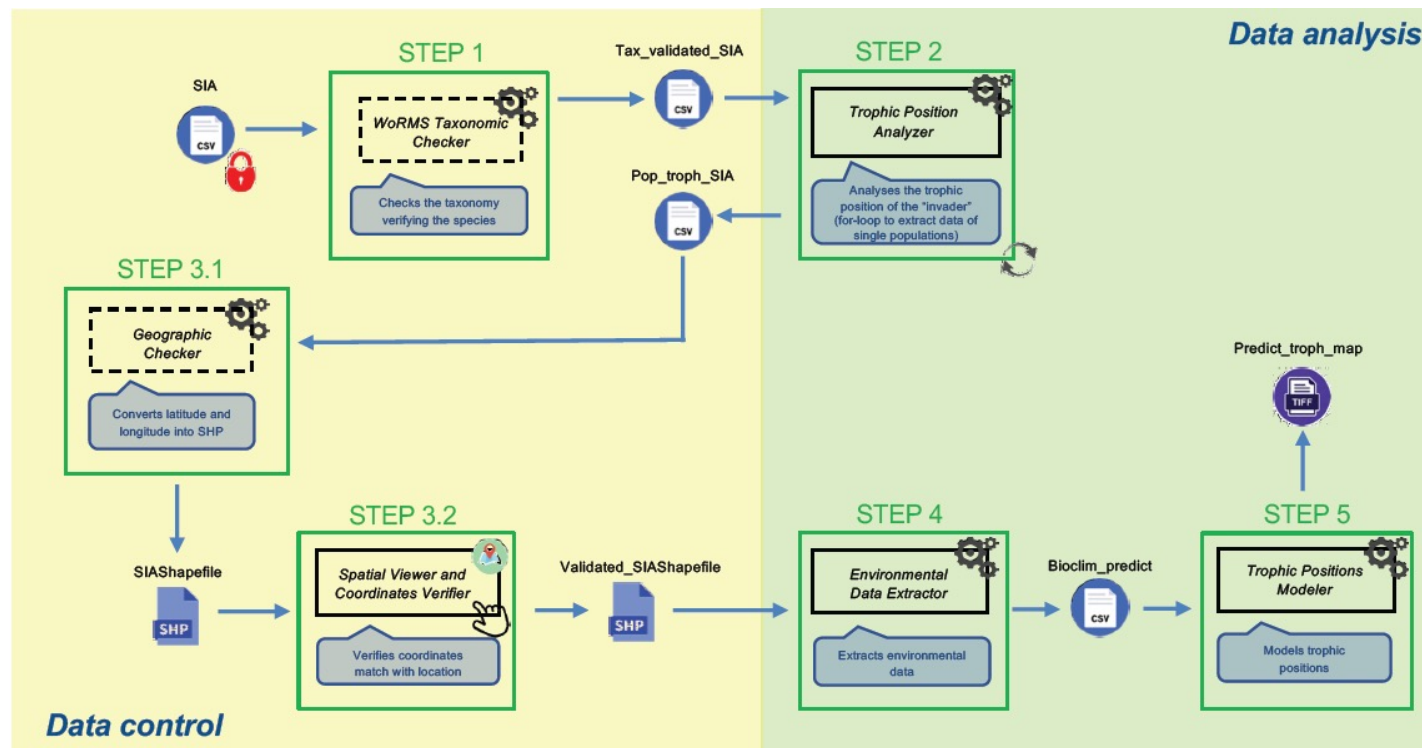
Hands on session 4th of June



Antoni Huguet Vives | LW-ERIC ICT-Core Front-end architect



Conceptual diagram of the Crustacean functional biogeography

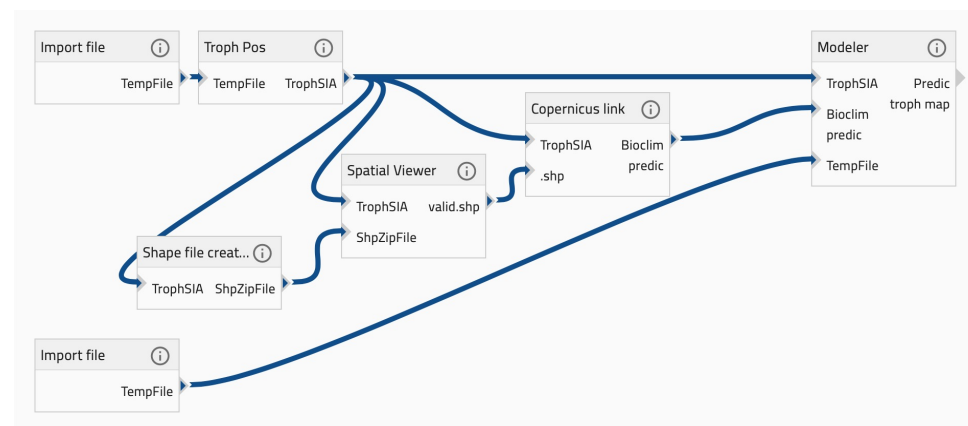
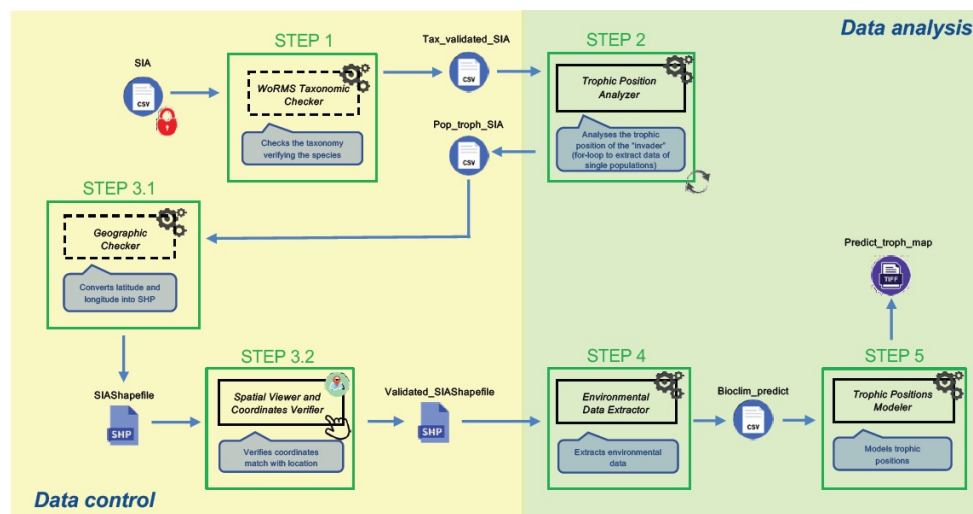




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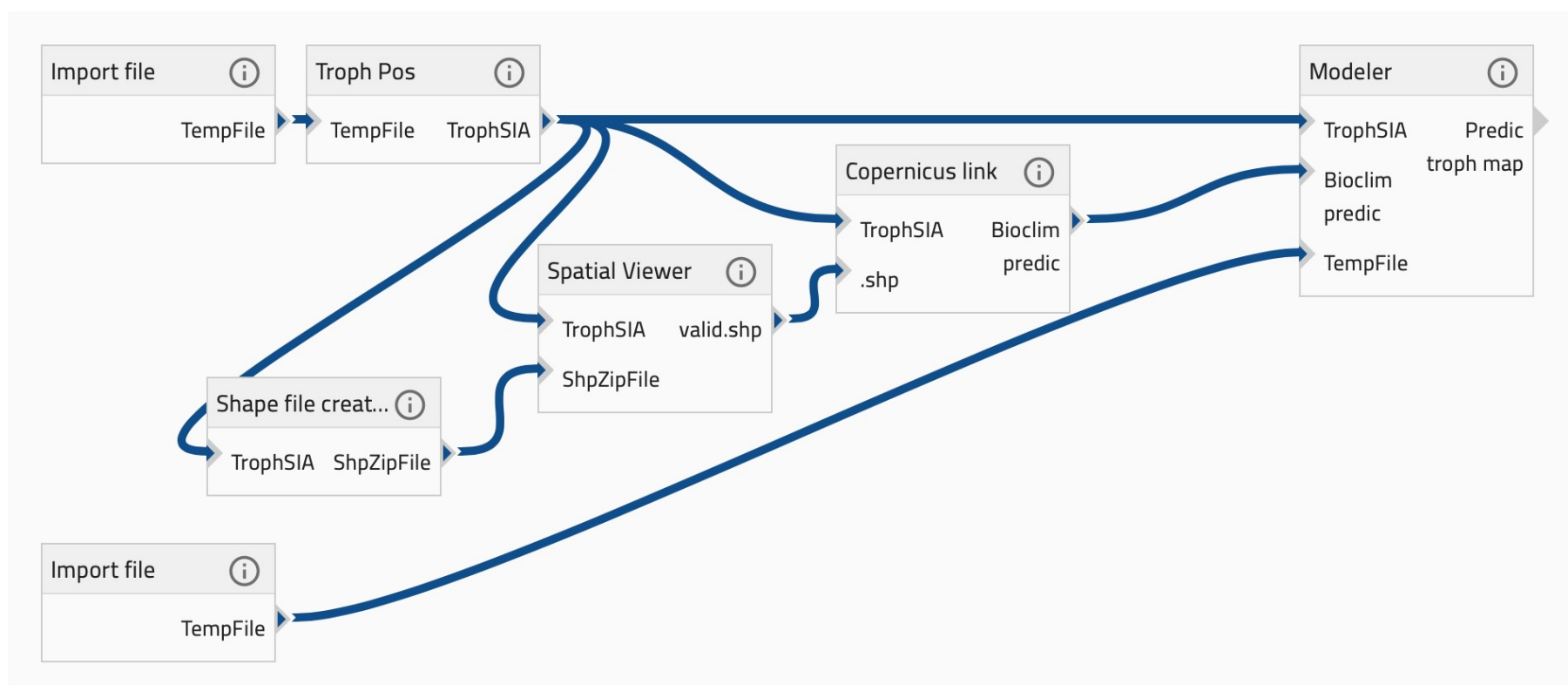


From the conceptual diagram to the UI diagram





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Trophic Position Analyzer

Label: Trophic Position Analyzer

Description: Analyses the trophic position of the invader

Input: Tax_validated_SIA (csv)

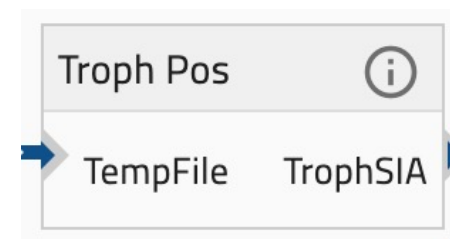
Output: Pop_troph_SIA (csv)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python



Trophic Position Analyzer

Tax_validated_SIA.csv

Pop_troph_SIA.csv



Geographic Checker

Label: Geographic Checker

Description: Creates a coordinates vector and converts to SHP

Input: Pop_troph_SIA (csv)

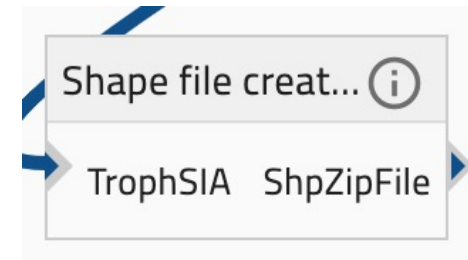
Output: SIAShapefile (shp)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python



Geographic Checker	Pop_troph_SIA.csv	SIAShapefile.shp
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Spatial Viewer and Coordinates Verifier

Label: Geographic Checker

Description: Verifies coordinates match with location

Input: SIAShapefile (shp)

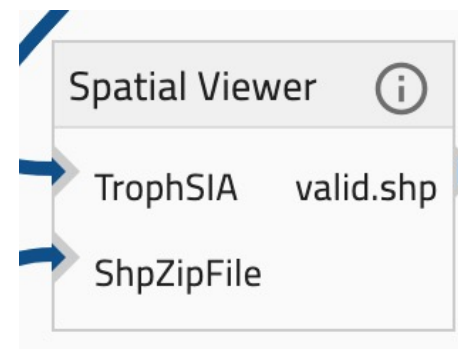
Output: Validated_SIAShapefile (shp)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python



Coodinates Verifier	SIAShapefile.shp+	Validated_SIA.shp
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Environmental Data Extractor

Label: Environmental Data Extractor

Description: Extracts Enviromental Data

Input: Validated_SIAShapefile (shp)

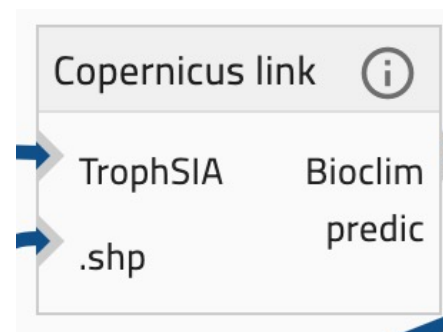
Output: Bioclim_predict (csv)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python



Environmental Data Extractor

Validated_SIA.shp

Bioclim_predict.csv



Trophic Positions Modeler

Label: Trophic Positions Modeler

Description: Modelling trophic positions

Input: Pop_troph_SIA (csv), Bioclim_predict (csv)

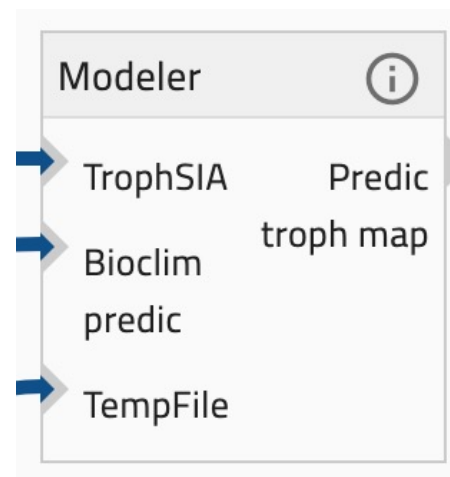
Output: Predict_troph_map (tiff)

Metadata Harmonized: YES

TRL: 3

GUI Integration: YES

Technology: R / Python



Trophic Positions Modeler	Bioclim_predict.csv	
	Pop_troph_SIA.csv	Predict_troph_map.tiff



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How did the ICT team prepare for this workshop?



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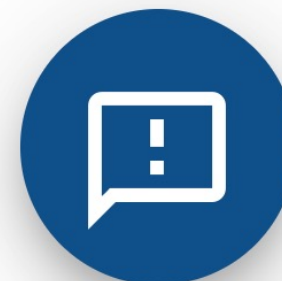
- 1) Improvements from the first feedback
- 2) Stress testing of our system
- 3) Test authorisation subsystem
- 4) Create a tutorial



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Feedback tool





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 LifeWatch ERIC
Tesseract

[Personal space](#)

Ailanthus Altissima mapping

ARMS

Biotope

Crustaceans functional biogeography

Metabarcoding

Tools

☐ Dark theme

☒ Feedback tools

IJI NIS Workflow Environment **BETA**

Personal space

Files:

Collapse all

Expand all

charles.elton

ARMS evening experiment data

Ailanthus Altissima mapping cust...

dummy-testing-data

ARMS

Ailanthus Altissima mapping

Crustacean

Metabarcoding

System status



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How does stress testing look like ?



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Hit the system with your predicted scenario...



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Hit the system with your predicted scenario...

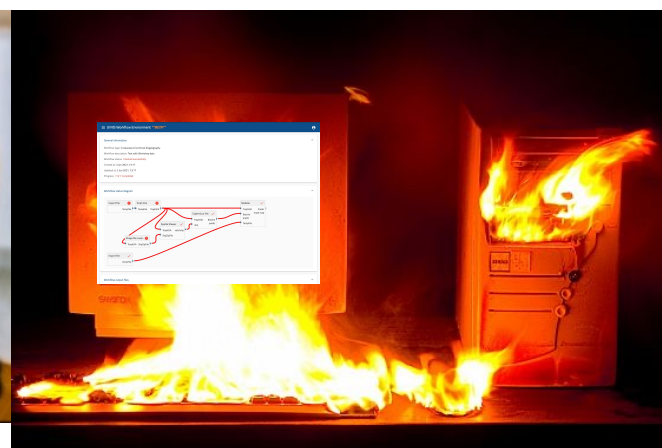




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... and analyse the result.





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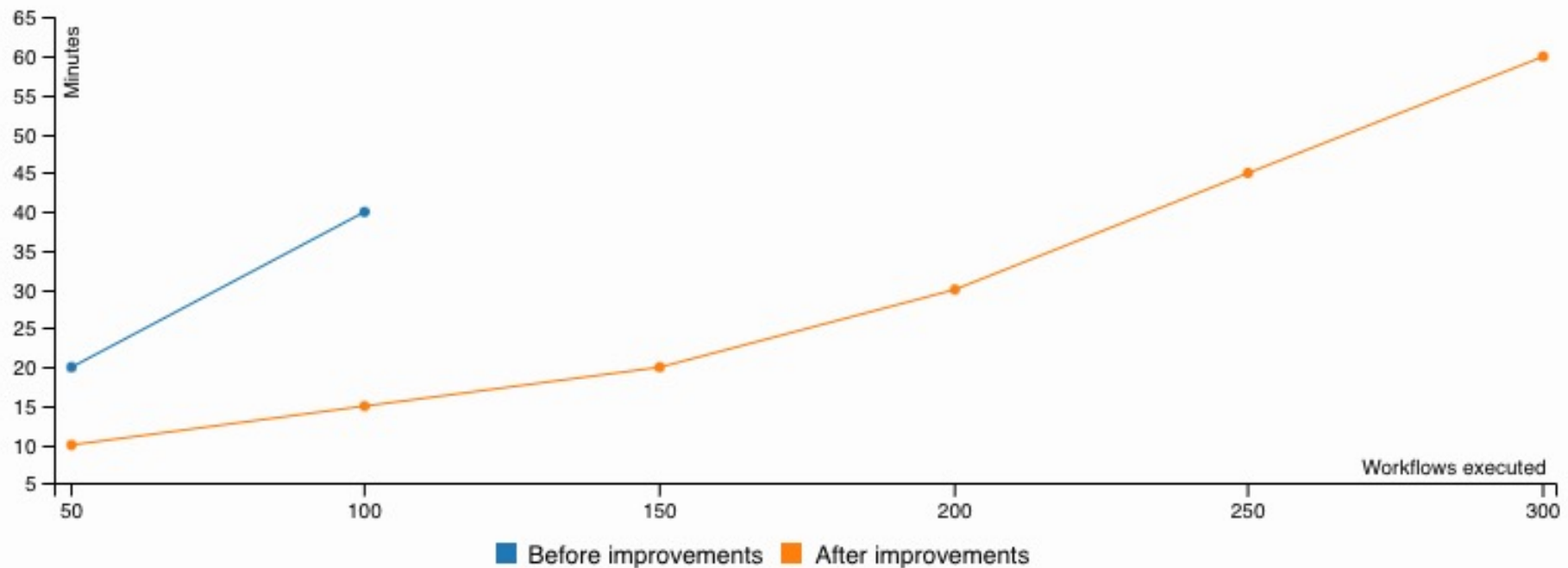


Learn from the crash...





... and keep improving the system until you nail it.





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The authorisation subsystem



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LifeWatch ERIC

III NIS Workflow Environment ****BETA****

Personal space

Ailanthus Altissima mapping

- Dashboard
- + Run new workflow
- Workflow information

ARMS

- Dashboard
- + Run new workflow
- Workflow information

Biotope

- Dashboard
- + Run new workflow
- Workflow information
- Result explorer
- Work in progress

Crustaceans functional biogeography

- Dashboard
- + Run new workflow
- Workflow information
- Geographical validation

Metabarcoding

- Dashboard
- + Run new workflow
- Workflow information

Personal space

Files:

- Collapse all Expand all
- charles.elton
 - Crustacean experiment
 - dummy-testing-data
 - ARMS
 - Ailanthus Altissima mapping
 - Crustacean
 - Metabarcoding

System status

LifeWatch ERIC

III NIS Workflow Environment ****BETA****

Personal space

Crustaceans functional biogeography

- Dashboard
- + Run new workflow
- Workflow information
- Geographical validation

Tools

- Workflow studio

Dark theme

Feedback tools

Personal space

Files:

- Collapse all Expand all
- charles.elton

System status



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Demo time !

<https://tdrv.eu/ojlwSc>



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What can I do if I get lost?



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Thank you 🙏

antoni.huguet@lifewatch.eu