espas

near earth space data infrastructure for e-science

ESPAS: Near-Earth space data infrastructure to enable e-Science

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Data Registration Forms

- Data providers can inspect, edit, create, delete entities in the ESPAS platform
- Each data provider can interact only with their own entries
- Centralised service, interacts directly with the ESPAS platform
  - Makes wrapper obsolete for “static” entries (non-observation)
- Search filters automatically updated on a regular basis (currently, every 3 hours)

Data Registration Forms

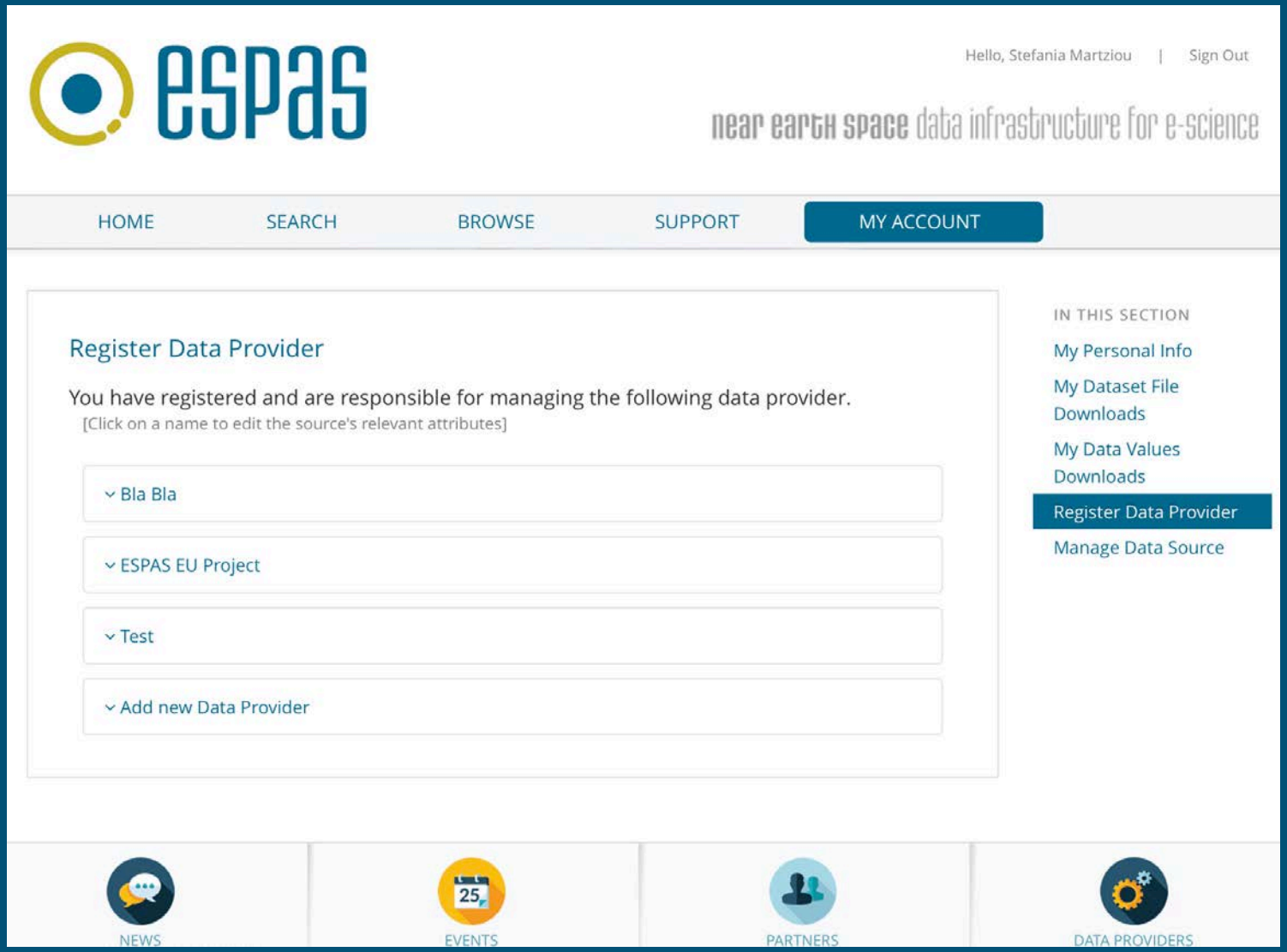
- Registration
  - User friendly/intuitive tool
  - Simple steps - immediate insertion in the system
- Validation
  - Avoiding many XML errors (data model, GML, links, …)
  - Circumvents the data model cyclic dependencies issues
- Operation
  - Easier data provider take up and support of data entry operations

Data Registration Forms

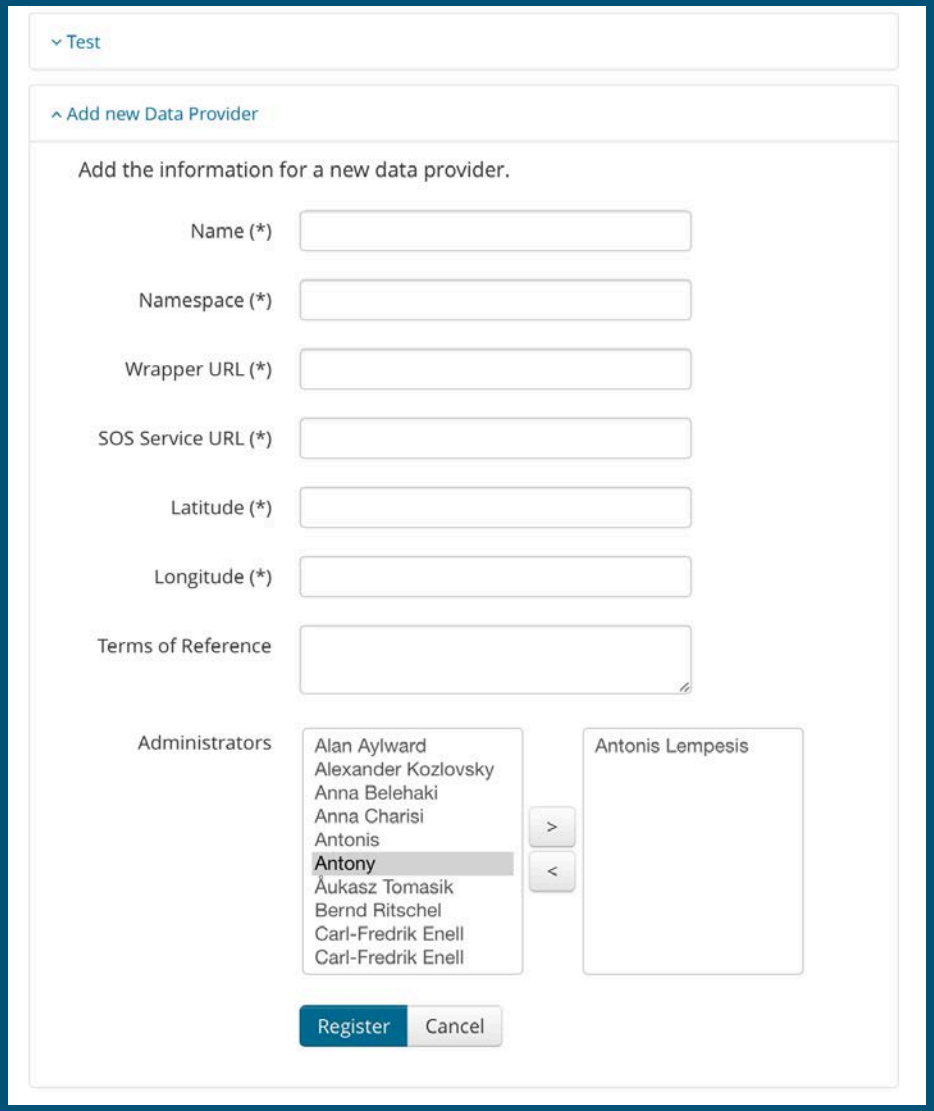
- Work (always) in progress!
  - Streamline interface
  - Make prettier, cleaner
  - Also include in wrapper to allow for self contained service

- Demo site
  - https://www.espas-fp7.eu/portal/

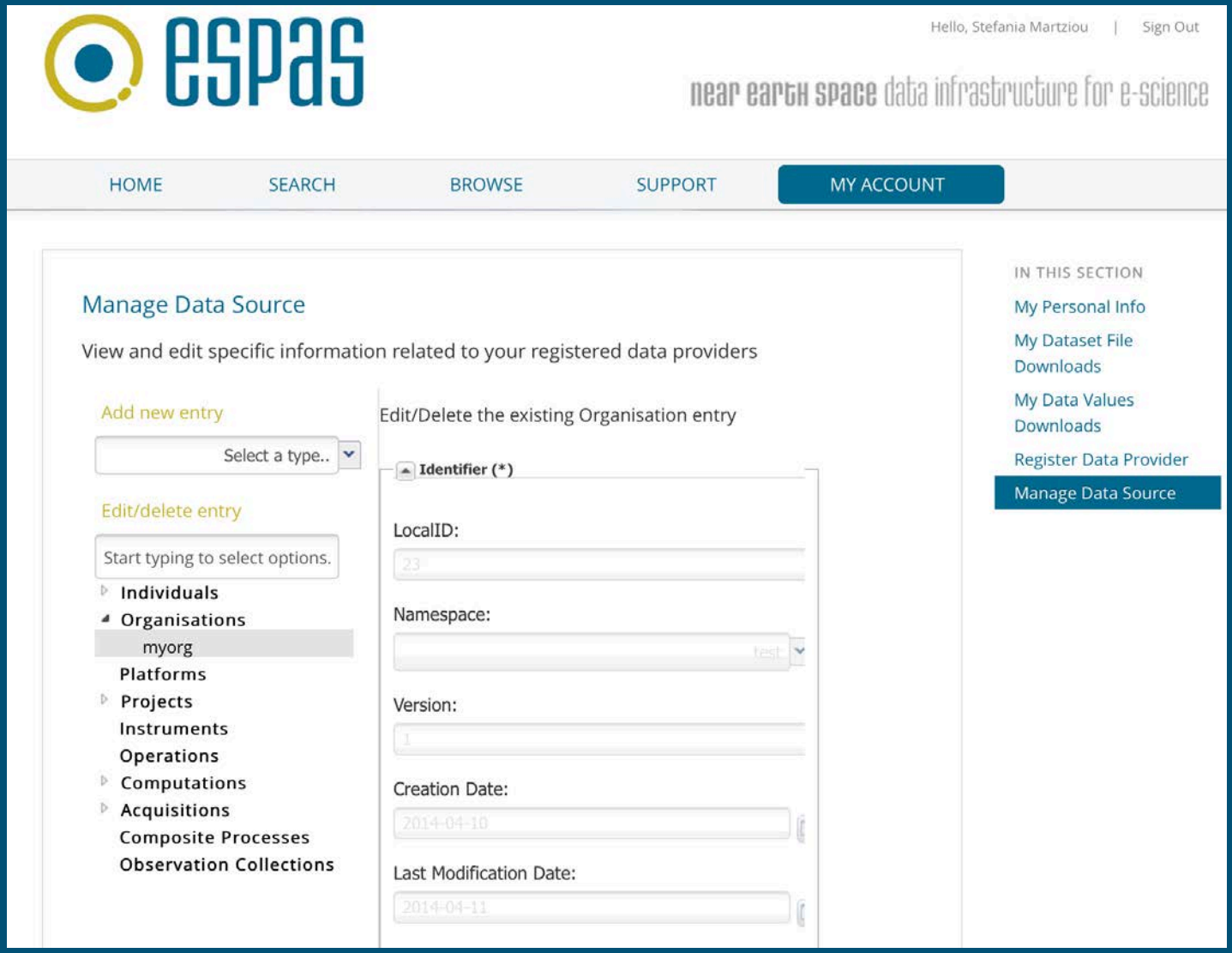
Data Registration Forms



Data Registration Forms



Data Registration Forms



Data Registration Forms

Computation XML

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<?xml version="1.0" encoding="UTF-8"?>
<espas:ESPAS_Computation
	xmlns:espas="http://schemas.espas-fp7.eu/2.1" xmlns:gco="http://www.isotc211.org/2005/gco"
xmlns:gmd="http://www.isotc211.org/2005/gmd"
	xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:gsr="http://www.isotc211.org/2005/gsr"
	xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:om="http://www.opengis.net/om/2.0"
	xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xml="http://www.w3.org/XML/1998/namespace"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
	xsi:schemaLocation="http://schemas.espas-fp7.eu/2.1 http://schemas.espas-fp7.eu/xsd/2.1/espas.xsd">
	<espas:identifier owns="false">
		<espas:ESPAS_Identifier>
			<espas:localID>artist4_5</espas:localID>
			<espas:namespace>espas</espas:namespace>
			<espas:version>1</espas:version>
			<espas:creationDate>2013-04-24T22:00:00Z</espas:creationDate>
			<espas:lastModificationDate>2014-11-17T22:51:13Z</espas:lastModificationDate>
		</espas:ESPAS_Identifier>
	</espas:identifier>
	<espas:description>The Automatic Real-Time Ionogram Scaler with True height (ARTIST) is an intelligent system developed at UMLCAR for
extraction of ionospheric
	specification data from Digisonde ionograms. It was first released in the early of 1980s and since then it went through several revisions up to
the
	latest available one ARTIST-5.</espas:description>
	<espas:name>ARTIST</espas:name>
	<espas:version>4.5</espas:version>
	<espas:type xlink:href="http://ontology.espas-fp7.eu/computationType/Autoscaled"/>
</espas:ESPAS_Computation>
```