

	<b>Data Terra</b>
Full name	Data Terra Earth system data and services
National infrastructure website	<a href="https://www.data-terra.org">https://www.data-terra.org</a>
Other useful links	www.theia-land.fr ; www.odatis-ocean.fr ; www.aeris-data.fr ; www.poletterresolide.fr
Type of infrastructure	Project having been labeled in 2016
Last name, first name, title of the person responsible for the infrastructure. Management location	<b>Director</b> : Frédéric Huynh <b>Deputy directors and data centres directors:</b> Michel Diamant (ForM@Ter), Nicolas Baghdhadi (THEIA), Patrice Henry (AERIS), Richard Moreno (Dir. Tech), ...
Guardianship / shareholders of the infrastructure	CNRS-INSU, CNES, IFREMER, IRD, INRAE, Météo France, IGN CNRS/INSU, CNES, IFREMER, INRAE, IRD, Météo-France, IGN, IPGP, CEA, SHOM, BRGM, CEREMA, CIRAD, INERIS, ONERA, Observatoire Côte d'Azur, Observatoire de Paris, École Polytechnique, Sorbonne Université, Université de Lille, Université Toulouse III Paul Sabatier, AgroParisTech, Université Grenoble-Alpes, Université Clermont-Auvergne, Université Strasbourg, Région Hauts de France.
Infrastructure overview	The aim of RI Data Terra is to develop a distributed research infrastructure for data and services for observing and understanding the Earth system and the Environment. This system, based on 4 data centres and transversal systems built on around 30 data centers and services, interconnected and piloted by science, allows access to different sources of data and to have a continuum of distributed storage services (suitable for large volumes of data for space, processing, post-processing (including data crossing), analysis and visualization. FAIR services, adapted to the needs of the scientific communities, will be offered over the entire data cycle from its acquisition to its multiple uses.
<i>(description, scientific positioning, missions and services offered)</i>	Facilitating access to all of the data diversity from the various subsystems and environments is a major challenge. Responding to it requires interoperable infrastructures to accelerate the extraction, analysis, dissemination and intelligent use of data, indicators and models from national and international observation systems. Aimed at the scientific community and public and socio-economic stakeholders, these multisource data, products and services are accessible via a unified and coherent portal. Coordinating, federating and optimizing existing institutions, structures and resources is one of Data Terra's key ambitions at national, European and international levels.
Partnerships with the socio-economic world (construction, operation, use of resources), major innovations	The information provided by Data Terra assists in the implementation of public policies. The works using these data have a socio-economic impact in the field of natural risks, climate change, mineral and water resources.
<i>Publications</i>	
<i>Number of users</i>	20 000 users
<i>Access numbers</i>	
Data	Data flow estimation

	Storage	About 70 Po of data distributed on several sites in France (2019) ; 150 Po (2025)
	Accessibility	24 hours a day, 7 days a week, as far as possible
Estimated budget	Operating cost per year	€ 40M average full cost since 2017 (€ 33M in 2016; € 39M 2017)
	Number of FTEs (or HR cost)	170 FTEs / year, more than 350 people from 25 organizations
International and European component	European	ESFRI partners, ENVRI-FAIR, EOSC Pillar, Blue Cloud
	International	GO FAIR, RDA, ... GEO, ONU Env. ARGO, BGI, AERONET