

If you are passionate about ecosystem restoration and would like to get involved in the HERMOSA community please visit

<https://hermosa.mundialis.de>

Register on the platform and also the mailing list.
More interaction also on Twitter: @hermosa_earth

We are excited to hear about your projects and how they could benefit from the HERMOSA platform.

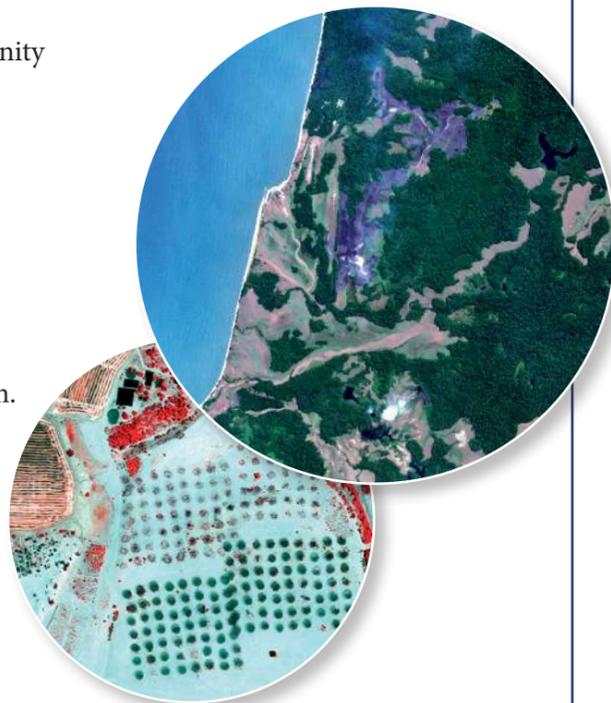


Holistic Ecosystem Restoration
Monitoring · repOrting · Sharing · mArketplace

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contains modified Copernicus Sentinel data, processed by mundialis



English version



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Problem identification and global context

The Earth is suffering from enormous quantities of degraded land, where erosion is taking place, watertables have dropped, people are moving away because there is no perspective, biodiversity is declining and hunger is prevalent. At the same time the Earth is heating up because of unsustainable use of fossil fuels. **One of the best ways to overcome these problems is to plant trees.**

Every year the global community meets at the Conference of the Parties (COP) to the United Nations Framework Convention on Climate Change (UNFCCC) to discuss measures to slow down climate change. On September 25th, 2015 the United Nations adopted **17 Sustainable Development Goals (SDG)**, while during the COP24 in Katowice, Poland in December of 2018 almost all participating countries agreed to provide information on the status of their country and what each one is doing with respect to climate change. The more ambitious countries will actually start to restore their degraded land and report on their progress to the global community. In the meanwhile on March 01st, 2019 the United Nations General Assembly adopted a resolution to proclaim **2021 to 2030 the United Nations Decade on Ecosystem Restoration.**

Introduction to the solution

HERMOSA¹ is a service platform promoting the use of satellite imagery and financed in part by the European Space Agency (ESA). The platform tackles the question of land restoration in its larger sense and the positive impact it has on the issue of food security (SDG-2), creating sustainable jobs (SDG-8), Land Degradation Neutrality (SDG-15), empowering communities in technologies (SDG-17) and accelerating other conventions

on climate change (e.g REDD+) among others. **HERMOSA** is accessible through the internet, empowered by web-mapping and remote sensing technologies and will be built using Open Source Software. The vision of **HERMOSA** is to offer **transparency, traceability and flexibility** on the various aspects of agroforestry and landscape restoration including the process of its' implementation.

¹ An acronym for Holistic Ecosystem Restoration Monitoring, repOrting, Sharing and mArketplace; in Spanish 'hermosa' means 'beautiful'

The features of HERMOSA include

- **Register** to connect with other relevant stakeholders engaged in ecosystem restoration
- **Manage** all your spatial data online and share it with your team members no matter where they are
- **Monitor** the progress of your projects using the latest in remote sensing data analysis
- **Learn** from best practice examples and **share** your own insights



What is unique about HERMOSA

- All-in-one platform
 - Based on Free and Open Source Software (FOSS)
 - Simple and modular
 - Adapted to technical and non-technical users
 - Easily adaptable to new needs
 - Can be hosted locally
 - Cloud infrastructure ensures scalability