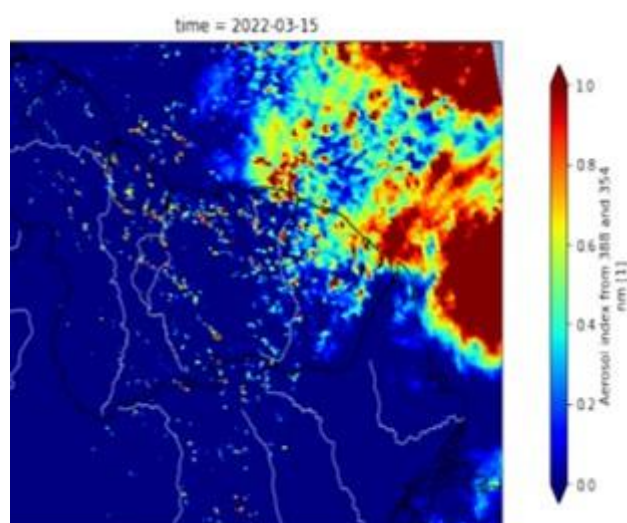


Cooperating with the Guianas

The Guiana Shield is both a specific part of the Amazon region and a whole in itself. It covers a part of Venezuela, Guyana, Suriname, French Guiana, and the Brazilian state of Amapá. Crisscrossed by rivers and their tributaries, it is home to the largest expanse of contiguous, intact tropical forest in the world!

Shared spaces



Sentinel-5 satellite image

A shared vision as well as joint monitoring of this changing area are crucial. Spatial planning, the fight against pollution, health policy, preservation of natural resources ... The measures and decisions taken in the different countries must be designed and deployed in coherence in order to be effective.

Satellite imagery and the geo-information extracted from it provide a vision of the dynamics at work in the Guiana Shield.

Scientists from French Guiana, Guyana,

Suriname, and Amapá have been collaborating for several years and have identified themes for discussion. For each theme, they collect data and together develop tools to support decision making.

More resources

The Regional Project for Earth Observation in the Guianas, PROGYSAT, receives European funding to expand that cooperation. It makes it possible to support mixed research teams and provides the resources to continue acquiring a common data set as well as to construct indicators and produce maps.

A kaleidoscope of technical partners – private and public, researchers and experts – make the coordination and solidity of the partnership challenging. While many discussions are carried out online, in-person meetings remain no less important. The [second PROGYSAT seminar](#) took place in Paramaribo from September 27-29, 2022.

Concrete achievements

Open to managers and local players, this gathering will give the partners the opportunity to present the progress achieved in their work on the six themes studied: freshwater resources, risks linked to vector-borne diseases, pollution and landscape protection, the dynamics of urbanized areas, characterization of forests, and finally public conservation policies.

The progress and achievements made possible thanks to the project, led by the French National Research Institute for Sustainable Development (IRD) and the University of French Guiana, will be presented in forthcoming articles on the blog. To be continued!



2018 map of malaria risk created by the French Guiana Regional Health Agency (ARS) in collaboration with the Institut Pasteur in French Guiana and the French Guiana Interregional Epidemiology Unit (Cire Guyane)/SpFrance. Within the framework of PROGYSAT, through the collaboration of these players, the objectives are 1) to contribute to objectivizing and facilitating the updating of such risk maps using satellite data and modeling; 2) to extend the geographic scope by mapping the risk in cross-border areas with Brazil and Suriname.

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