

IAF SYMPOSIUM ON INTEGRATED APPLICATIONS (B5)  
Tools and Technology in Support of Integrated Applications (1)

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OPEN PLANET FACTS: SPACE AND IN SITU DATA TO EMPOWER CITIZENS FOR A  
SUSTAINABLE PLANET, A PROPOSITION OF FRENCH INSTITUTIONS (CNES, ADEME AND  
OFB)

**Abstract**

Open Planet Facts (OPF) aims to give every citizen the opportunity to better understand the impacts of human activities on the environment so that everyone can individually and collectively act in a more responsible way. For this, Open Planet Facts application wants to provide everyone: - An access to intelligible and concrete information, both locally and globally, - A proposition of adapted actions taking into account the different levels of knowledge and accountability, - Interactions through communities (locally or globally) in the field to understand the collective result of the actions on environment.

Open Planet Facts is an open and collaborative project, which reconciles a collaborative and open digital logic with a territorial anchoring necessary for the understanding of environmental issues. This logic is based on four main axes: - Disseminate validated content (information, possibilities for action) and allow social interactions via a mobile application and user-driven solutions using psychosocial and cognitive strategies, - Involve the citizen at different levels, ranging from the governance of the overall system to the explanation of information needs both in terms of content and form, including the contribution to data collection, - Set up a digital ethics community platform and an open and inclusive collaboration framework to federate the data and resources of institutional, associative or private partners who will in return benefit from positive externalities on their activities, - Complete the system by calling on local communities both for animation and for raising awareness.

CNES (French Space Agency), ADEME (French Agency for Ecological transition) and OFB (French Office for Biodiversity) are working together to cross-fertilize their data and skills to develop the OPF application. This application will combined augmented territory maps, social community network and multimedia features, taking advantage of the digital tools, approved and recognized knowledge (and associated media) and also psychosocial dimension to accelerate the citizen engagement for a sustainable planet.