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## **RGF-BP, the French Geological Reference Platform of the Paris Basin: Status and Perspective**

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## **RGF-BP, the French Geological Reference Platform of the Paris Basin: Status and Perspective**

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<= 250 words

The RGF-BP is the Paris Basin work programme of the French Geological Reference Platform (see Calcagno et al., same session) designed by the BRGM as a national programme for the acquisition and management of geological data. In the continuation of the 1:50000 scale geological maps, covering the whole country, the RGF-BP intends to improve the knowledge of the Paris Basin geology with specific focuses on: (i) the Grand Paris field work conducted for the development of new underground transport lines (metro and RER), (ii) the Tertiary and Quaternary sedimentary formations with the resolution of the geological maps and (iii) the deeper formations from Cretaceous to the Trias which reaches the crystalline basement formations.

The main objectives of the RGF-BP are to obtain harmonized numerical geological maps of the Paris Basin, correlated 3D geometries of the sedimentary formations and 3D models populated with geotechnical, hydrogeological, geothermal and geochemical properties, all freely accessible to the public.

This large piece of work involved the collection of existing and new data to be validated and incorporated into a common numerical referential (common lithological referential, update of geological maps, correlation transect, datation horizon) validated by the data providers, industries and the scientific community involved in the project via PhD ad Masters.

The new knowledge on subsoils developed by the RGF-BP intends to support innovative responses to a wide range of issues facing our society, e.g. surface and subsurface planning, water and mineral resources management, energy prospection and storage, and risk mitigation.

Please visit <http://rgf.brgm.fr> for more information.