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BELGIUM

**A NEW UPDATED MAGNETIC MAP OF THE REPUBLIC OF ARGENTINA**

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The knowledge need of the Earth Magnetic Field (EMF) has led to designing maps that represent its different components: Declination (D), Inclination (I), Total Intensity (F), and its Horizontal (H), Vertical (Z), North (X) and East (Y) components as well, globally and locally. Under the direction of the former Argentinian Meteorological Office, a first national magnetic map with isogonic lines was published in 1908 and in 1970 the latest update was elaborated. Since then, only data extracted from the International Geomagnetic Reference Field (IGRF) has been used for reference purpose and there hasn't been availability of absolute measurement observations in situ in order to make a local map.

In this paper we show the evolution and current status of the new Magnetic Map Project for the Republic of Argentina with the aim of achieving a better and more precise characterization of the EMF in the National Territory, this requires to accurately design a survey network for the Magnetic Repeat Stations (MRS); ultimately this project will provide new data about the origin and evolution of the EMF and, thru geophysical services, provide means to transfer this knowledge to industry and society.