

## **Recent and future evolution in geomagnetic indices derivation and dissemination**

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**A b s t r a c t:** Recent evolution in geomagnetic indices derivation and dissemination is reviewed. The recent evolution of the 'classical' IAGA indices and the introduction of new quantities, that aim at providing more detailed information, are discussed in terms of: (i) improvement of their temporal resolution; (ii) improvement of their spatial resolution; (iii) improvement of their dissemination. The question of possible other new indices is finally discussed. The results obtained during the last decade make clear that the existing IAGA indices, as well as new quantities, that have been recently introduced and are related to them, are somehow optimal with regard to the phenomenon they characterise and to the applications they deal with. New indices are worth being derived if they deal with new physical quantities or new applications.

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