

AI Activities at the National Geographic Institute of France

Matthieu Porte (France)

Key words: Geoinformation/GI; Remote sensing; Artificial Intelligence; Deep Learning

SUMMARY

With the advent of deep learning, new opportunities to systematically extract information from high-dimensional data (natural or aerial imagery, 3D point clouds,...) have flourished and offer the opportunity for national mapping agencies to enhance their production of geographical information.

Over the last years, IGN France has sustained an effort to develop its knowledge and ability to operate and leverage those techniques, from early research work to contemporary attempts to get AI systems into production.

We propose an overview of the state of AI at IGN France, of current challenges in our organization and in the field of AI applied to geographical data and provide feedback on the lessons learned on our ongoing AI journey.