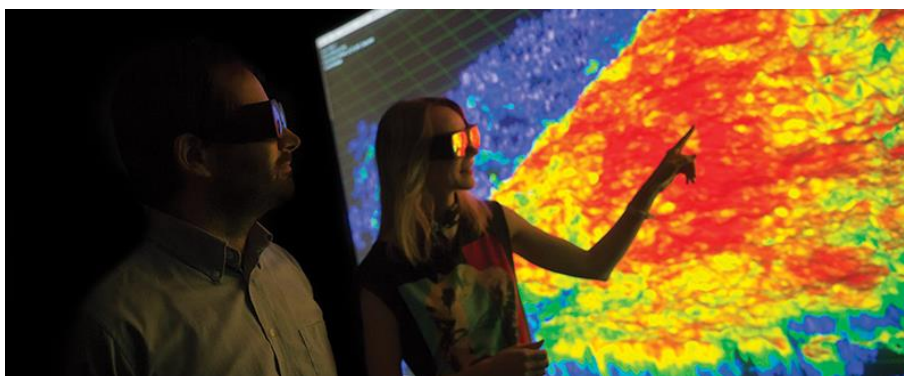## Galp and IBM develop cutting-edge AI tool to enhance exploration and development activities

Galp and IBM, through its Brazilian subsidiaries Petrogal Brasil and IBM Research-Brazil, have developed an advisor based on artificial intelligence (AI) to enhance seismic interpretation within the exploration and development activities.

This prototype is a result of a three-year research project which aimed to create an advisory tool to help geoscientists in the identification and evaluation of exploration and development activities, contributing to reduce risk when assessing new prospects and optimise the placement of wells to be drilled.

The tool leverages Galp's acquired know-how and previous seismic interpretations and experiences, namely those acquired in the prolific pre-salt Santos basin. It continuously improves its capabilities, learning from the interaction with users and the insertion of additional data. AI-based visual comprehension is used to assist geoscientists in sifting through large 3D seismic data sets and quickly identifying geological structures that could bear oil and gas.

Galp's geoscientists are currently testing the prototype, and additional capabilities are under joint development. It has significantly contributed to the growth of the technical and scientific competencies of both IBM and Galp. The development of this tool reflects Galp's focus on continuous innovation, through a partnership with one of the most renowned players in AI.

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