

## **Development of an open-data based Reinsurance Catastrophe Model**

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The insurance and reinsurance industry sees a growing demand for modeling catastrophe risks for multiple perils and globally distributed exposure. PartnerRe has a long tradition of developing proprietary risk models designed specifically for its business needs. Taking the PartnerRe Europe Earthquake model for an example this talk highlights some of the benefits and challenges in the use of openly available data from projects such as GEM, SHARE, PAGER and others in the course of designing, building and benchmarking an industry standard reinsurance catastrophe model.