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Venice Time Machine : Big data from the past

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The Venice Time Machine, a joint project between EPFL and the University of Venice aims at building a multidimensional model of Venice and its evolution covering a period of more than 1000 years. Venice was Europe's economic hub for centuries, a door to the Orient and dominated the seas. The digitalization of hundreds of kilometers of Venetian archives, itself a daunting task already underway, creates challenges for data management, image and character recognition. But the central scientific challenge of this big data project is to qualify, quantify and represent uncertainty at each step of this digitisation and modelling process.

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