



Recent developments in strong-motion databases and ground motion prediction equations in Europe

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This paper first focuses on the current efforts in the compilation of strong-motion archives in Europe and surrounding regions pan European. This discussion is accompanied with the developments of pan European ground motion prediction equations for seismic hazard assessment in Europe. The evolution in the collection of European strong-motion databases is presented in a chronological order and the current achievements are compared with the strong-motion archives collected in the other parts of the world. The ground motion prediction equations in Europe are considered along the same way and they are compared with the ground motion predictive models proposed in other earthquake prone regions in the world. The discussions in the paper may shed light for future improvements in the collection of strong-motion data and ground motion predictive models in the broader Europe.