Local seismic events in area of Poland
based on data from PASSEQ 2006-2008 experiment

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Abstract

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nents). The study focused on Polish territory, with stations located in eastern and western Europe. The eastern boundary of the TESZ is Teisseyre’a – Tornquist Zone and the western boundary is Variscan Belt. This work was partially supported by NCN grant UMO-2011/01/B/ST10/06653.

Fig. 1. Example of recording from PASSEQ station PP41 showing different types of events.

Fig. 2. Example of 30 minute recording with local event for PP41.

Fig. 3. Example of detection from PASSEQ experiment.

Fig. 4. Example of training the RTRN - the expected output values.

Fig. 5. Example of testing the RTRN - the expected output values.

Fig. 6. Example of testing the RTRN - the expected output values.

Fig. 7. Example of testing the RTRN - the expected output values.

Fig. 8. (a) The filter bank of the RTRN - the expected output values.

Fig. 9. Output of detection of the RTRN (detpp45) together with seismic signal of PASSEQ station PP41 for 2007-05-06 07:32:31 UTC.

Fig. 10. Original signal and detection result.

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Fig. 12. Example of recording from PASSEQ station PP41 showing different types of events.

Fig. 13. Example of recording from PASSEQ station PP41 showing different types of events.

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