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Geological structures of the Niigata sedimentary basin and its surrounding area

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We investigate structural geology of the Niigata sedimentary basin and its surrounding area are characterized by a NNE-trending fold-and-thrust belt and WNW-trending transverse faults. We also discuss the NNNE- and WNW-trending faults control earthquakes and fault-segments in Niigata sedimentary basin and its surrounding area.

Keywords: North Fossa Magna, rift system, fold-and-thrust belt, transverse fault, Volcanic rock, Eastern Japan Sea Deformation Zone