

## Comprehensive research on the Uemachi fault zone (2)

IWATA, Tomotaka<sup>1\*</sup>, Comprehensive Research Group on the Uemachi Fault Zone<sup>2</sup>

<sup>1</sup>DPRI, Kyoto University, <sup>2</sup>Comprehensive Research Group on the Uemachi Fault Zone

The Uemachi fault is running beneath the Osaka sedimentary basin, which is the secondary large populated area in Japan. Our research group has started to study the Uemachi fault zone in detail to get the information for developing the long-term earthquake evaluation and the strong ground motion prediction. Our research group consists of four sub-research groups for (1) research on detail trace for fault segments, (2) research on three-dimensional source fault and crustal velocity structure, (3) research on fault activity and average dislocation velocity, and (4) research on strong ground motion prediction. We introduce the research plan of this study for FY2010-2012 (SSJ fall meeting, 2011). Here we will show several research results till this period.

Keywords: Uemachi fault zone, active fault survey, long-term evaluation, strong motion evaluation