

SUPPLEMENTI di GEOGRAFIA FISICA e DINAMICA QUATERNARIA

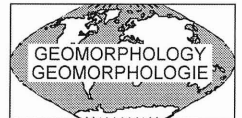
SUPPLEMENTO VI - 2003

The International Association of Geomorphologists

FIFTH INTERNATIONAL CONFERENCE
ON GEOMORPHOLOGY



Organized by
JAPANESE GEOMORPHOLOGICAL UNION



Chuo University, Kora Kuen Campus, Tokyo (Japan)
August 23-28, 2001

GEOMORPHOLOGIC REVOLUTIONS AND
QUATERNARY ENVIRONMENTAL CHANGES

KAORU KASHIMA & MOHAMED TAHAR BENAZZOUZ editors

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2003

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Geomorphologic Revolutions and Quaternary Environmental Changes

FOREWORD

The Fifth International Conference on Geomorphology was held at Chuo University at Tokyo from 23rd through 28th on August in 2001. One symposium and one session were held about the studies of geomorphic evolutions and Quaternary environmental changes.

The symposium on «A High Resolution Reconstruction of Geomorphic Revolutions and Environmental Changes during the Late Quaternary» was held on August 26. The focus of the symposium was to introduce recent field works for reconstructions of geomorphic changes and environmental changes during Late Quaternary with new techniques. Nine papers from Asia, Middle East, Europe and North America were presented as oral presentations. They discussed geomorphic and environmental changes at coastal areas, alluvial fans and mountains with new geomorphic methods. The program of the symposium was, as follows.

Symposium 16 «A High Resolution Reconstruction of Geomorphic Revolutions and Environmental Changes during the Late Quaternary»

Convenor: Kashima, K. (Japan)

26 August, Time 09:00 - 12:40

Chaired by Gutierrez M. (Spain) and Kashima K. (Japan)

- 09:00 - 09:20 Ollerhead J., Huntley D.J. (Canada), Nelson A.R. and Kelsey H.M. (USA): Optical dating of tsunami-laid sands from Bradley Lake, Oregon, U.S.A..
- 09:20 - 09:40 Mercier J.L., Bourles D., Kalvoda J., Braucher R. (France) and Vilimek V. (Czech): The early Holocene deglaciation in European mid-latitude mountains dated by ¹⁰Be cosmogenic nuclides - A case study of the Vosges and Giant Mountains.
- 09:40 - 10:00 Gutiérrez M. and Gutiérrez F. (Spain): Relationships between talus flatirons and Heinrich events in the central and northeastern sectors of Spain.
- 10:00 - 10:20 Farabollini P., Gentili B. and Materazzi M. (Italy): Freshwater travertines in the Central Appennine (Italy): genesis and climatic and neotectonic significance.
- 10:20 - 10:40 Tea break.

Chaired by Ollerhead J. (Canada) and Kashima K. (Japan)

- 10:40 - 11:00 Ohira A. (Japan): Holocene sea-level change and evolution of the lower Tokachi River Plain.
- 11:00 - 11:20 Kashima K. (Japan): A high-resolution reconstruction of environmental changes and their interactions to archaeological events during the Holocene at inland saline lakes in Central Turkey.
- 11:20 - 11:40 Hwan S.I. and Yoon S.O. (Korea): The influence of Holocene environmental change on the human activities in Daegu basin, Korea.
- 11:40 - 12:00 Chyi S.J. and Sung Q. (Taiwan): Main alluvial fan terraces in the mountain range Taiwan.
- 12:00 - 12:20 Ertek T.A., Yildirim C., Guneysoy C., Sakinc M. and Yaltirak C. (Turkey): The marine terraces correlation on the Sea of Marmara coasts (Turkey).

The Session of «Quaternary environments, geochronometry and historical geomorphology» was held on August 26. Seventeen papers (Seven oral presentations and ten poster presentations) were presented.

Session 9 «Quaternary environments, geochronometry and historical geomorphology»

Convenors: Kashima K. (Japan) and Benazzouz M.T. (Algeria)

Oral Presentations (Date August 26, Time: 13:30 - 15:50)

Chaired by Kashima K. (Japan) and Benazzouz M.T. (Algeria)

- 13:00 - 13:50 Benazzouz M.T. (Algeria): A new chronology of upper Holocene aeolian sands in the Zibans range, Algeria.
- 13:50 - 14:10 Berakhi O. (Eritrea), Coltorti M., Dramis F. and Pieruccini P. (Italy): Long Term geomorphologic evolution of the Mekele Area (Eastern Tigray Highlands, Northern Ethiopia).
- 14:10 - 14:30 Gentili B., Pambianchi G. and Aringoli D. (Italy): Uplift, erosion and gravity on Central Apennines belt (Italy).
- 14:30 - 14:50 Stankoviansky M. (Slovak): Historical evolution of slopes in agricultural landscape.
- 14:50 - 13:10 Alekseeva V., Ananyeva E. and Voskresensky I (Russia): About the history of relief development of the central part of Russian plain in Neogene-Quaternary.
- 13:10 - 13:30 Hou J.Z., Tan M. and Liu T.S. (China): Layer chronology of young stalagmites.
- 13:30 - 13:50 Nagasako T. (Japan): Changes in fluvial system of the Kimotsuki River basin, Southwest Japan.

Poster Presentations (Date August 25, Time: 13:30 - 17:30)

1. Abebe B., Asrat A. (Ethiopia), Berakhi O. (Eritrea), Brancaccio L., Coltorti M., Dramis F. (Italy) and Tegene B. (Ethiopia): Late Holocene evolution and geomorphologic processes in a mountain catchment of Ethiopia: the Upper Watjia River basin.
2. Al-Hurban A. and Gharib I. (Kuwait): Morphological, sedimentological and hydrogeochemical studies of sabkhas in Southern Kuwait.
3. Angelova D. (Bulgaria): Endodynamic determination and rearrangement of valley systems in Bulgaria at the Pliocene-Quaternary boundary.
4. Bellotti P., Caputo C., Davoli L., Evangelista S. and Pugliese F. (Italy): Morphological and sedimentological evolution of the Crati River emerged delta (Calabria, Italy).
5. Bellotti P., Davoli L., Fredi P. and Russo F. (Italy): Holocene environmental changes and their impact on anthropogenic activity: some examples from Italy.
6. Choi S.G. (Korea): Thalassostatic terraces and estimated Pleistocene sea levels in the Western Coastal region of Korea.
7. Kalvoda J. (Czech), Mercier J.L., Bourles D., Braucher R., Vilimek V. and Paschen A. (France): Glacial and periglacial landforms during the Early Holocene in the Giant Mountains.
8. Sasaki A. (Japan): Holocene two-stepped upmigration of vegetation zones on Mt. Sumon-dake, Central Japan.
9. Wakabayashi Y. (Japan): Factors of fluvial terraces formation since the Last Glacial Stage at Nakatsugawa R.
10. Bongnar A. (Croatia): Structural-geomorphological features of Adriatic Islands.

(Kaoru Kashima, Kyushu University, Japan)