

NTT DOCOMO

Technical Journal

Vol.14 No.3

Jan.2013

Special Articles

“Mobile Spatial Statistics” Supporting Development of Society and Industry

– Population Estimation Technology Using
Mobile Network Statistical Data and Applications–

New Service Merging Communications and Broadcasting

– NOTTV –

DOCOMO Today

How Mobile Spatial Statistics Began

Technology Reports

User-created Application Sharing Platform Enabling Users to Create Their Own Activity Support Applications



Contents

DOCOMO Today



How Mobile Spatial Statistics Began 1
 Atsushi Murase

Technology Reports & Collaboration Projects (Special Articles)

“Mobile Spatial Statistics” Supporting Development of Society and Industry — Population Estimation Technology Using Mobile Network Statistical Data and Applications —

Technology Reports

Supporting Growth in Society and Industry Using Statistical Data from Mobile Terminal Networks — Overview of Mobile Spatial Statistics — 4

Population Estimation Technology for Mobile Spatial Statistics ... 10

Evaluating Reliability of Mobile Spatial Statistics 16

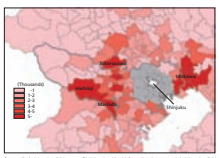
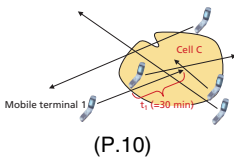
Large-Scale Data Processing Infrastructure for Mobile Spatial Statistics ... 24

Collaboration Projects

Using Mobile Spatial Statistics in Field of Urban Planning ... 31

Using Mobile Spatial Statistics in Field of Disaster Prevention Planning ... 37

Using Mobile Spatial Statistics for Regional Revitalization ... 46



Technology Reports (Special Articles)



(P.51)



(P.63)

New Service Merging Communications and Broadcasting —NOTTV—

Service Overview of NOTTV Mobile Multimedia Broadcasting for Smartphones 51

Mobile Terminal Technology Supporting Mobacas Service —Mobacas Software Platform for Android— 56

Mobile Device Technology Supporting Mobacas Service —Radio Hardware Technology— 63

Recommendation Technology for Promoting Use of NOTTV 70

Technology Reports

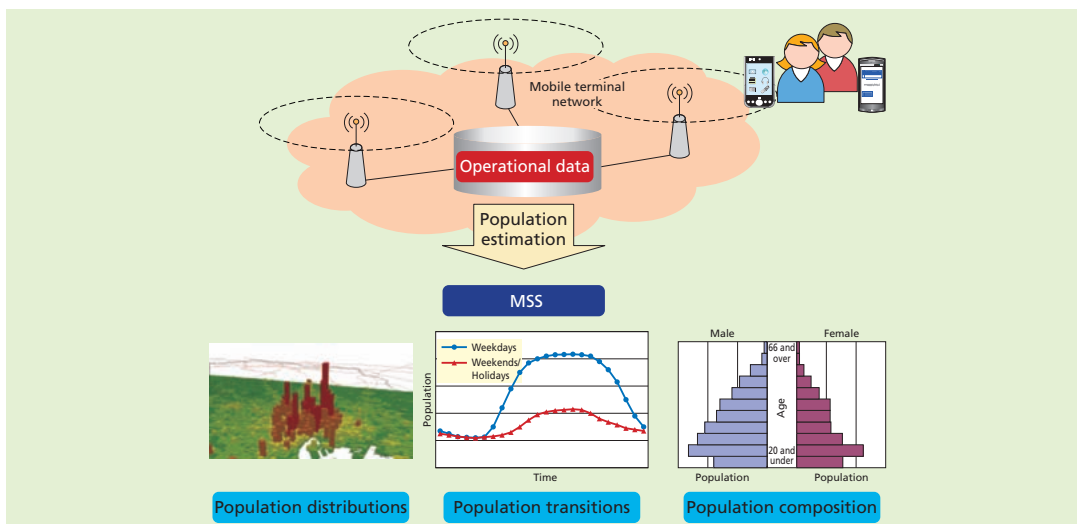
User-created Application Sharing Platform Enabling Users to Create Their Own Activity Support Applications ... 76

Standardization

RA-12 and WRC-12 Reports 82

Topics

Virtual PBX-type Services in Office link 89



Technology Reports (Special Articles) Supporting Growth in Society and Industry Using Statistical Data from Mobile Phone Networks —Overview of Mobile Spatial Statistics— (P.4)