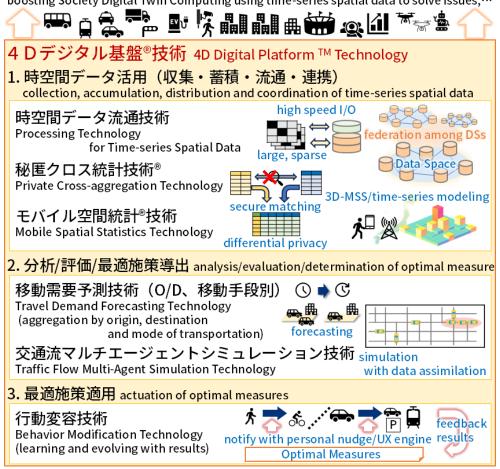


4D digital platform ™ technologies boost society DTC

Solve the key issues in building DTC systems using time-series spatial data, for a data-driven society #Customer Experience Value Creation #Productivity Improvement

時空間データを活用するSociety DTC強化で課題解決・価値創造を実現 boosting Society Digital Twin Computing using time-series spatial data to solve issues,



///Technical Issue

The realization of Society DTC systems requires the coordination, integration and utilization of diverse "time-series spatial data", but the cost of them is enormous.

///Research Goal

Improving the technologies that facilitate them will reduce the cost and time required to implement DTC systems in various fields.

---Technology

- technology to accelerate the use of time-series spatial data (Axispot, Private Cross-aggregation Technology, ...)
- travel demand forecasting technology.
- traffic flow multi-agent sim. tech.(data assimilation, etc...)
- behavior modification technology.

---Applicable Business

included below and above diagram, 8x faster traffic flow simulation with region-wide realobservation travel demand forecasting and real-time traffic data correction. (world's first attempt) etc...

Provide a package of technologies to boost Society DTC,

- mobility service field: traffic flow forecasting, simulation and rectification

[target date for establishment of basic technology and service provision: FY2026]

dynamic pricing of parking fees [target date for establishment of basic technology: FY2026]

---Novelty

- marketing field: attracting customers to visit stores, commercial facilities, tourist facilities [target date for establishment of basic technology: FY2026]

Related Exhibition= $\underline{602-01}$ Exhibitors=NIPPON TELEGRAPH AND TELEPHONE CORPORATION/NTT DATA Group Corporation/NTT DATA Japan Corporation/NTT DOCOMO, INC./NTT COMWARE CORPORATION/DOCOMO InsightMarketing, INC. Related URL=NTT R&D Website "4D digital platform™"/Press Release "NTT group and Hanshin Expressway jointly study the implementation of new traffic management using digital technology that contributes to the rectification of urban road traffic" Contact URL Outside Partner=Hanshin Expressway Company Limited