





all about land:

issues and challenges of rural - urban transformation in the Indonesian new capital "NUSANTARA"

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50 Years Chair of Land Management, TU München München, November 8 2024



profile



Class of 2023 – 2025: Master Program in Land Management and Land Tenure

CURRENT JOB:

Full Professor at the Department of Urban and Regional Planning, Diponegoro University, Indonesia

EXPERTISE:

rural planning and development | climate related disaster and planning | rural transformation | land management

POSITIONS:

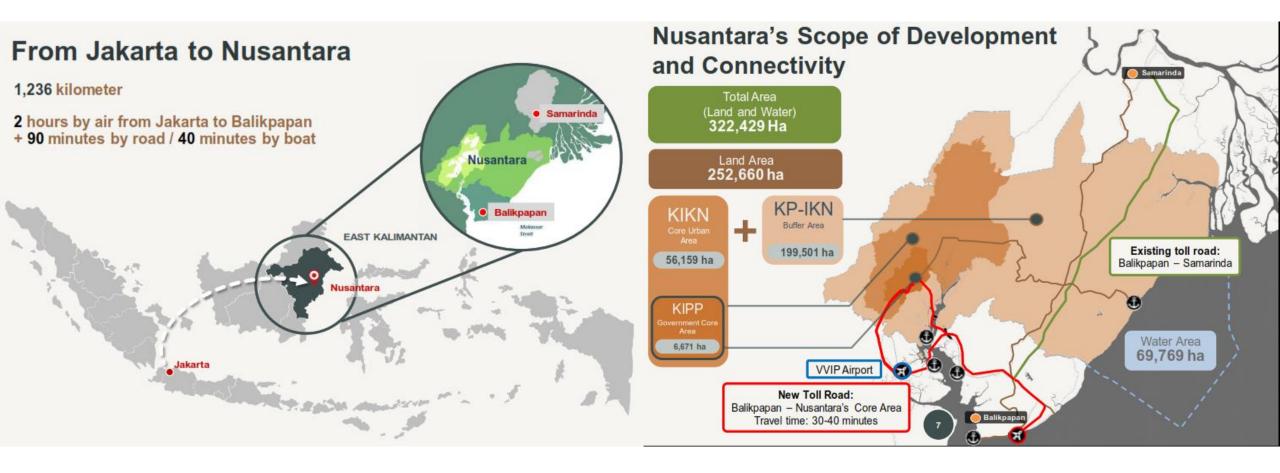
Indonesia	International
DAAD Research Ambassador	Council – Global Planning Education Association Network (GPEAN)
Advisory Board – Indonesian Planning Schools Association	Chair – Steering Committee World Planning Schools Congress (WPSC) 2026, Helsinki
Planning Expert – Nusantara New Capital Authority	

CURRENT PROJECT:

DAAD Exceed Program - Spatial Methods for Urban Sustainability (SMUS) 2020 – 2029; Host TU Berlin

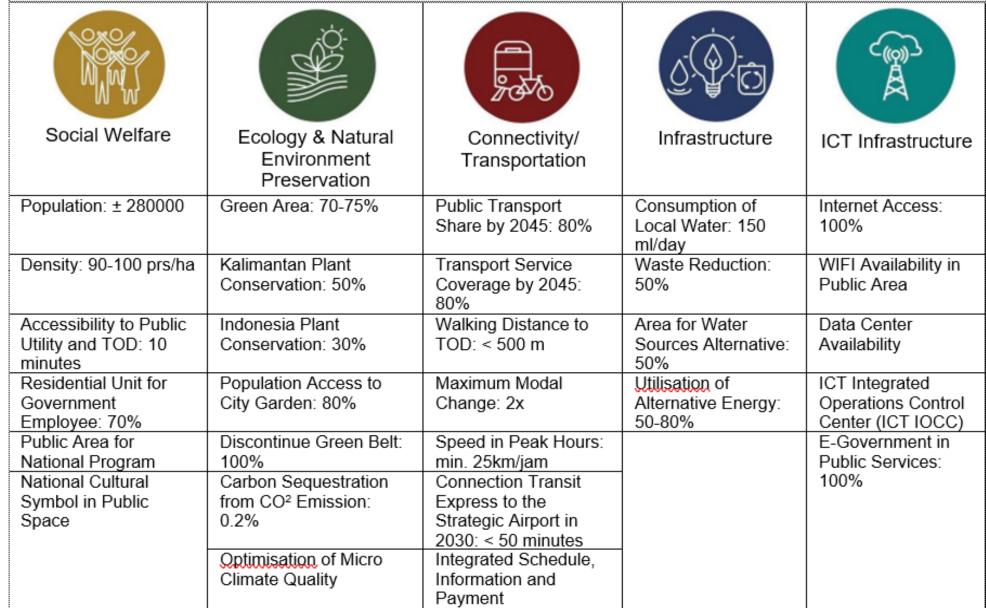
The Excellent Research University

brief overview of Nusantara (IKN)





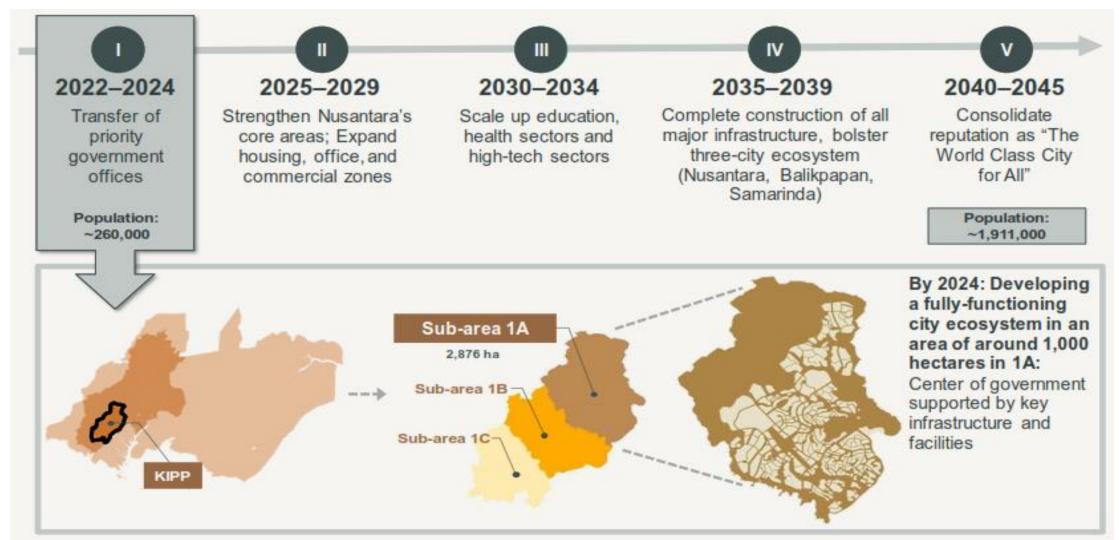
Key Performance Indicators



Source: de Vries et al., 2023



development phases



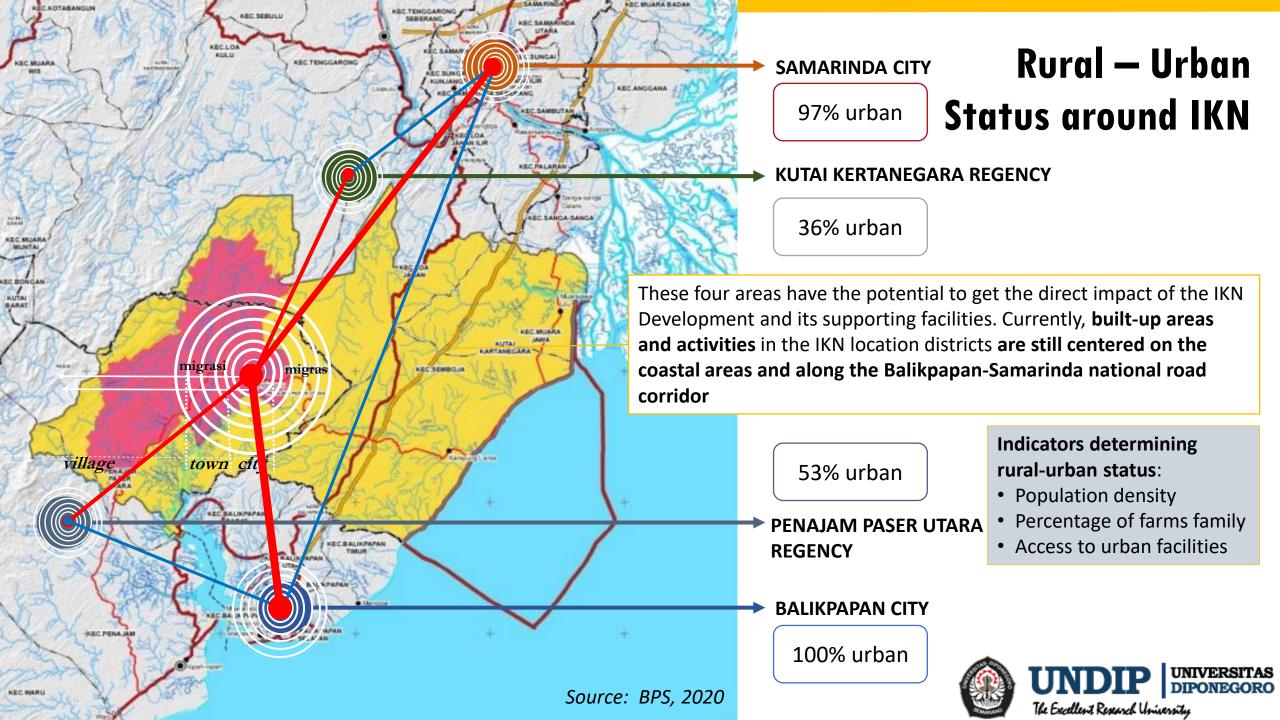
Keterangan No Go Biodiversity Area Samarinda Non-Developable Area Rail Way Seaport Area **VVIP New Air Port**

development of IKN and its potential in the surrounding region

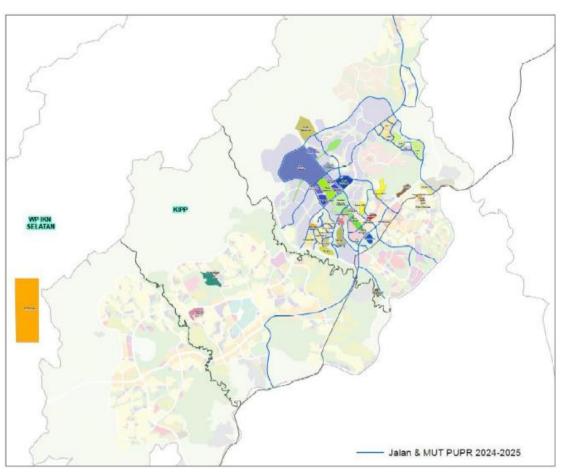
Development of IKN area and supporting facilities → improving rural-urban linkage (flow of people, capital, commodities, and information)

Development in the surrounding areas accelerated the process of urbanization (changing of rural-urban status)





what has been done so far?



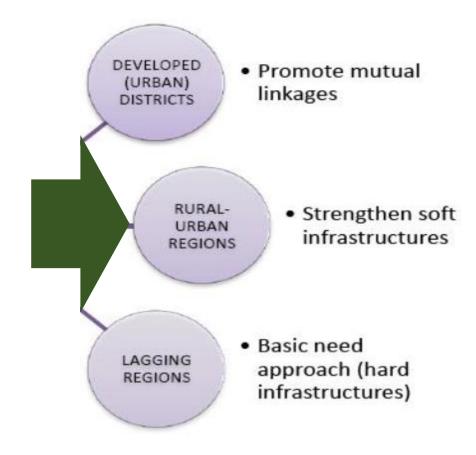
By December 2024, it is targeted that ecosystems will be built in the Government Center Core Area (KIPP) built by Ministry of Public Works and private sector, consisting of:

- **Toll road** along ± 75 km
- Working roads in KIPP for \pm 96 km, final stage along \pm 25 km, and multi-utility tunnel (MUT) network for \pm 39 km
- State Palace, Garuda Palace, Presidential Secretariat Office, Presidential Mosque
- 16 joint office towers of the Coordinating Ministry and 3 office towers of the Ministry of State Secretariat
- 47 flat towers for Government Officials
- Drinking water infrastructure: 5,300 liters/second from Sepaku River intake and 15.8 km transmission pipeline
- Main reservoir (2 x 6,000m³ capacity)
- 50 MW solar power plant
- 34 5G shared telecommunication towers with 500GB fixed broadband capacity
- 2 hotels (total capacity 391 rooms)
- 4 hospitals
- 36 Construction Worker Residential towers (capacity 22,892 residents)



issues and challenges

- IKN has the potential to create uneven spatial development and rural neglect
- Potential to slow down as a critical mass →
 a strong political support.
- Review of IKN planning aspects, such as infrastructure development milestones, population, and costs.

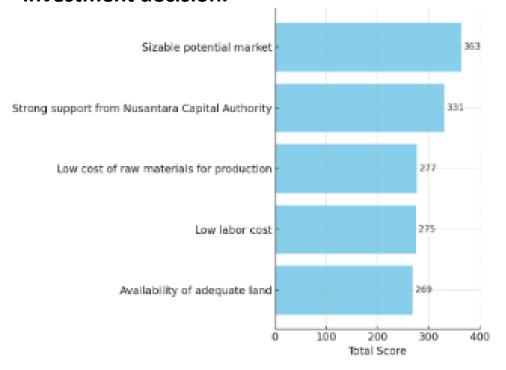




land management perspectives

- A "fast irregular" growing area close to the border and along the corridor of IKN region
 → creates land speculation and "free land market area"; which may lead to the informal development.
- Some unclear areas (about 2086 ha) due to land status and data availability → land acquisition - land development issue.
- Some changes along the development process → reformulating spatial plans; particularly land use plan.

Please rank the following inherent factors, with "1" being the most important and "5" being the least important, that influence your company's investment decision.





DESIGN CONCEPT

CURRENT SITUATION









thank you danke schön terimakasih

