INDONESIAN CITIES 2045: METROPOLITAN REGION, SPATIAL PLANNING, AND INFRASTRUCTURE SUPPORTS

OPENING PLENARY ISOCARP
Bogor, September 2019
### Main Issues for Sustainable Planning

In Various Scope and Spatial Scales

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<th>MAIN ISSUES</th>
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<td>Growth Management and Spatial Planning</td>
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<td>Transportation</td>
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<td>Protection and Restoration of Environmental, Green Open Space</td>
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<td>Equality and Justice</td>
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<td>Economic Development</td>
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<td>Zoning and Spatial Use Licensing</td>
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<td>Urban Design, Landscape Planning</td>
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<td>Urban Shape (density, compact &amp; mixed-use-development)</td>
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<td>Public Health</td>
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<td>Housing</td>
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<td>Use of Energy and Resources</td>
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<td>Architecture and Green Buildings</td>
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The implementation of spatial planning aims to create a national territory space that is safe, comfortable, productive, and sustainable based on the Archipelago's Insight and National Resilience by:

a. Creating of harmony between the natural environment and the artificial environment;

b. Creating of integration in the use of natural resources and artificial resources by paying attention to human resources; and

c. Creating of the protection of spatial functions and prevention of negative impacts on the environment due to spatial use.

In the spatial context, efforts to contribute to supporting SDGs are through spatial planning

» The product is the Spatial Plan, both Spatial Plans (RTRW) and Urban Detailed Spatial Planning (RTR)
SPATIAL PLANNING

- Hierarchy → spatial plans that stipulated with higher legal products become a reference from spatial plans that stipulated with lower legal products
- Complementary → complete each other; a more detailed spatial plan complements the macro spatial plan

Spatial Plan as a basis for issuing permits:
- Mining license
- Permission in transportation field
- Permission in the public works field
- Location permission
- Environmental permission
- Land administration
Basic Concept of Spatial Management

The Execution of Spatial Management is conducted through:

A. **Spatial Planning**, is a process to determine space structure and space pattern that consists of preparing and determining the spatial plan.

B. **Utilization** of space, is an effort to realize space structure and space pattern in accordance with the spatial plan through the formulation and execution of the program along with its funding.

C. **Control** over space utilization, is an effort to realize an order of the spatial use.
Utilization of Space

Utilization of space is an effort to realize space structure and space pattern in accordance with the spatial plan through the formulation and execution of the program along with its funding (Article 1 of Law Number 26 Year 2007)

DIRECTION TO SPACE UTILIZATION

1. Indication of main program
2. Indication of funding source
3. Indication of executor institution
4. Indication of execution time

Integrated Plan and Mid-Term Space Utilization Investment Program
*Rencana Terpadu dan Program Investasi Pemanfaatan Ruang Jangka Menengah (RTPIPRJM)*

- a set of infrastructure development programs that collectively realize the development of driven area and/or controlled area (target area) by synchronizing the execution of time, executor, and funding.

Integrated Plan and Medium-Term Space Utilization Investment Program

Annual Space Utilization Program Synchronization
*Sinkronisasi Program Pemanfaatan Ruang Tahunan (DOKTEK)*

- a set of infrastructure development programs which collectively aim to realize the planning of programs and priority programs that are spatial-based, integration of central and regional programs, integration of programs between regions, and balance development between regions.

In space utilization phase, spatial planning is used as the basis of:
- Granting location permits
- Determining location
- Arranging AMDAL
• There are several mandates of Law Number 26 Year 2007 which need to be discussed and resolved collectively by Ministries/Institutions, as follows:
  1. National Airspace Management;
  2. Space within the Earth Management;
  3. Disaster-Prone Area Management;
  4. Rural Area Management;
  5. Spatial Management Cooperation between Countries;
  6. Land Use Integrated with Spatial Plan (RTR);
  7. etc.
• Functions related to spatial planning are spread in ± 19 Ministries/Institutions which need to be synchronized.
INTEGRATION OF “NAWACITA AND PSN” TOWARDS SPATIAL PLAN

This is hard challenge for spatial management sector in the future; therefore, coordination mechanism across Ministries/Institutions needs to be conducted for the proposes as follows:

1. Negative stigma that Spatial Plan obstructs the development can be eliminated;
2. Study result on resource and investment potentials conducted by sector and region can be delivered immediately so that it can be used as the input in each period of judicial review of spatial plan; and
3. Mandates of Law Number 26 Year 2007 that the process of judicial review of spatial plan is done once in every 5 years (in the 5th year) can be enforced by all Ministries/Institutions which are related to spatial planning.
Indonesia is located in the ring of fire along the Pacific coastline.

Spatial Plan is arranged using disaster mitigation based approach that gives greater attention to national protected areas.
http://gistaru.atrbpn.go.id/
Online Spatial Plan (RTR)

http://gistaru.atrbpn.go.id/rtronline/

The Display of **ONLINE RTR**

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<thead>
<tr>
<th>DATA STATUS AUGUST 2019</th>
<th>SPATIAL PATTERN</th>
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<tr>
<td><strong>RTRWN</strong></td>
<td>RTRWN has been uploaded</td>
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<tr>
<td><strong>KSN</strong></td>
<td>17 of 76 RTR KSN have been uploaded (17 RTR KSN have become Perpres)</td>
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<tr>
<td><strong>ISLAND</strong></td>
<td>7 of 7 RTR Pulau have been uploaded (7 RTR Pulau have become Perpres)</td>
</tr>
<tr>
<td><strong>PROVINCE</strong></td>
<td>34 of 34 RTR Provinsi have been uploaded (34 RTR Provinsi have become Perda)</td>
</tr>
<tr>
<td><strong>REGENCY</strong></td>
<td>376 of 415 RTRW Kabupaten have been uploaded (392 RTRW Kabupaten have become Perda, 23 RTRW Kabupaten have not yet become Perda)</td>
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<tr>
<td><strong>CITY</strong></td>
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<tr>
<td><strong>PROVINCE</strong></td>
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<tr>
<td><strong>REGENCY/MUNICIPAL</strong></td>
<td>296 of 508 RTRW Kabupaten/Kota have been uploaded (392 RTRW Kabupaten/Kota have become Perda, 23 RTRW Kabupaten/Kota have not yet become Perda)</td>
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THANK YOU