

# Agenda Item 2

## **Work plan for 2021 and funding opportunities**

**UN-GGIM-AP Secretariat**



**UN-GGIM-AP**

Regional Committee of United Nations  
Global Geospatial Information Management  
for Asia and the Pacific

[www.un-ggim-ap.org/](http://www.un-ggim-ap.org/)

# UN-GGIM-AP Secretariat

## Article 14 Secretariat

- The Secretariat of the Committee shall be the United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP).
- The Secretariat shall
  - ✓ manage the continuing administrative affairs of the Committee;
  - ✓ facilitate and coordinate the Committee's activities;
  - ✓ prepare and submit reports on activities of the Committee to the UN-GGIM and relevant international bodies;
  - ✓ promote UN-GGIM guidelines to the members of the Committee.



# Work after 9<sup>th</sup> Plenary meeting

- Implemented Resolution of the 9<sup>th</sup> Plenary meeting of the UN-GGIM-AP, held in 3&5 November 2020
- Organized regional seminar on IGIF and encouraged member States to operationalize the country-level action plan, Nov.&Dec.2020
- Supported members to join the meeting of UN-GGIM Working Group on Geospatial Information and Services for Disasters, March 2021
- Supported regional members to participate in UN-GGIM Expanded Bureau meeting, March 2021
- Facilitate Tonga, Indonesia, Kyrgyzstan, Mongolia and Nepal to join the High-level Group of the IGIF (HLG-IGIF) , March 2021



- Promoted ESCAP-wide implementation of SG's Data Strategy
- ESCAP published “Geospatial Practices for Sustainable Development in Asia and the Pacific 2020: A Compendium”, 18 November 2020
- Distributed survey on readiness of operationalization of the Global Statistical Geospatial Framework (GSGF) to NSOs, space and mapping departments of countries in the region
- Contributed to the publications by UN Geospatial Network
  - ✓ Geospatial for Action - Data and Insights for the Sustainable development Goals
  - ✓ Geospatial for Humanity - Prevention, Response and Recovery on the World Pandemic Covid-19



- Participated in a series of webinars as part of global activities led by UNSD and UN Geospatial Network
- Conducted research on outlines of conceptual framework for
  - ✓ Asia-Pacific geospatial information platform
  - ✓ UN-GGIM-AP geospatial information service center
- Build back better after covid-19 pandemic
  - ✓ Operational platform of integrated geospatial information for decision making (pandemic risk, supply chain, vaccination and health service)
  - ✓ Online trainings will be organized in June 2021 for ASEAN member countries
  - ✓ Good practices and improved platform will be shared with other countries



- Worked on a number of knowledge products and instructional guides which highlight the integration of geospatial data and statistical data.
  - ✓ *Stats Brief: Geospatial information and the 2030 Agenda for Sustainable Development* ([Link](#))
  - ✓ *Blog: Partnership for the Goals: Earth Observation and Statistical Communities Unite for the SDGs* ([Link](#))
  - ✓ *Working Paper Series: Big data for environment and agriculture statistics* ([Link](#))
  - ✓ *Stats Brief: Big data for population and social statistics* ([Link](#))



# Integrating geospatial information and data

## Producing land cover change maps and statistics

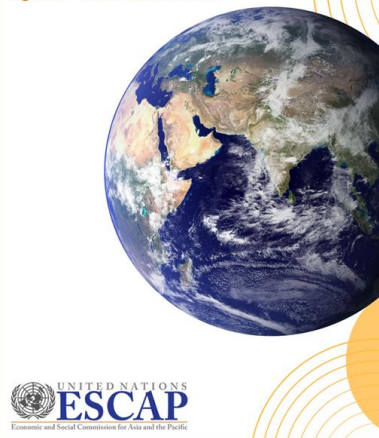
Step by step guide on the use of QGIS and RStudio



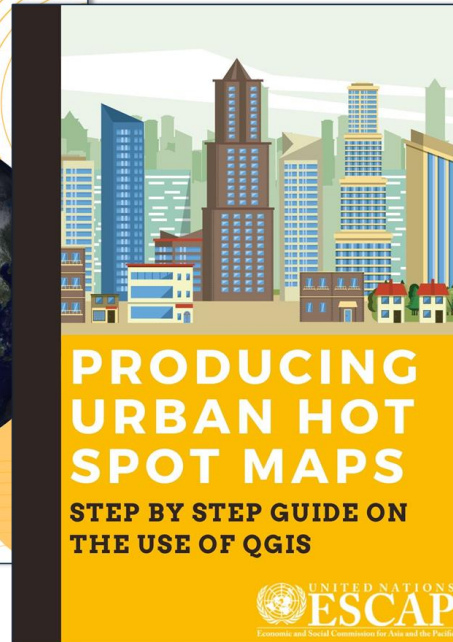
Available via this [link](#)

## Producing land cover change maps and statistics

Guide on advanced use of QGIS and RStudio



Available via this [link](#)

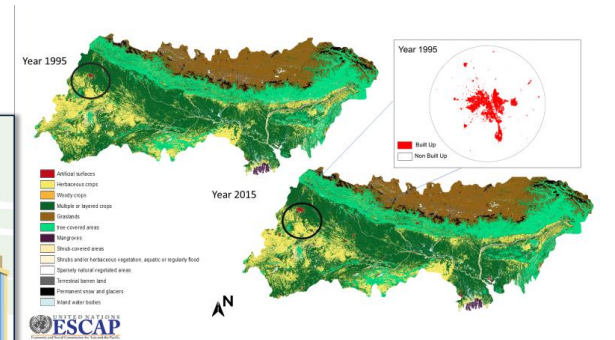


## PRODUCING URBAN HOT SPOT MAPS

### STEP BY STEP GUIDE ON THE USE OF QGIS



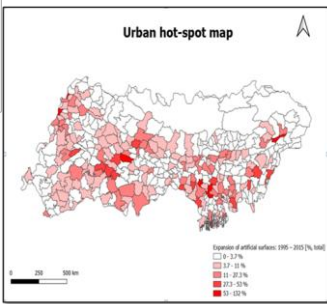
Available via this [link](#)



Land Cover Change Matrix - Ganges Brahmaputra River Basin															
Year 2015 Land Cover in square km															
	1	2	3	4	5	6	7	8	9	10	11	12	13	Sum	Year 1995
1	2,975.50	-	-	-	-	-	-	-	-	-	-	-	-	-	2,975.50
2	2,874.40	298,799.80	0.60	113.00	284.30	665.50	23.80	12.20	0.40	2.50	108.10	-	-	546.60	303,420.20
3	5.50	2,375.70	0.20	0.30	2.90	-	-	-	-	-	-	-	-	2,384.60	2,384.60
4	3,773.70	21.50	0.20	673,840.60	3,879.30	4,375.10	39.10	23.30	0.80	11.90	133.30	-	-	403.40	684,336.60
5	289.00	807.90	0.40	819.90	281,469.90	251.50	4.00	2.10	0.60	223.40	900.50	-	-	623.20	297,392.40
6	85.60	1,381.90	27.80	5,369.90	330.70	325,266.30	0.50	522.00	20.10	-	1.00	-	-	27.90	332,646.70
7	3.50	11.20	-	18.30	0.90	38.20	5,843.00	0.10	0.10	-	-	-	-	382.90	5,894.90
8	50.70	1,720.00	59.30	2,669.80	78.60	8,376.60	26,640	24,573.20	1.00	0.10	2.40	-	-	662.20	37,502.30
9	0.20	-	-	2.40	-	8.90	0.20	-	-	-	-	-	-	1.40	686.30
10	51.00	-	-	3.20	689.00	-	-	-	-	1,673.60	11.70	-	-	5.10	2,390.20
11	3.90	41.10	-	30.00	4,589.90	-	-	-	-	1.60	-	-	-	209.60	26,096.60
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32,736.00
13	68.70	161.80	0.20	125.50	356.40	84.60	10.70	1.10	2.20	13.40	306.80	-	-	32,579.00	32,736.00
Sum - Year 2015	35,113.00	303,944.00	2,464.70	683,001.60	301,412.10	889,079.50	5,454.10	25,138.80	692.10	2,134.50	24,662.70	32,579.00	11,101.90	31,342.30	1,763,048.70



- 1 Artificial surface
- 2 Herbaceous crop
- 3 Woody area
- 4 Multiple or layered crop
- 5 Grassland
- 6 Tree cover areas
- 7 Mangroves
- 8 Shrub cover areas
- 9 Shrub and/or herbaceous areas
- 10 Sparsely natural vegetated areas
- 11 Terrestrial barren land
- 12 Permanent snow and glacier
- 13 In land water bodies



These guides show users step by step how to integrate geospatial data and statistical data to produce maps and statistical tables, using R and QGIS. The maps and tables generated are in accordance with the SEEA Land Cover Classification.



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# Proposed plan for 2021

- Support member States to participate in the 11<sup>th</sup> session of UN-GGIM Plenary in late August 2021 (virtual meeting)
- Support the President to organize *ad hoc* EB meeting, in late August 2021 (TBD), focus on
  - ✓ Preparation for election of new EB
  - ✓ New themes of WGs (to be proposed by Chairs)
  - ✓ Preparation for the 10<sup>th</sup> Plenary meeting
- Support the President to organize the 10<sup>th</sup> Plenary meeting of UN-GGIM-AP (hybrid or virtual, early November 2021)
- Support meetings/seminars to be organized by WGs
- Organize UN-GGIM-AP Regional Geodesy Forum, June 2021





- Propose joint event with ESCAP Committee of Disaster Risk Reduction (end of August 2021) and Committee of Statistics
- Develop 2022 Compendium on “Geospatial Practices for Sustainable Development in Southeast Asia”
- Organize capacity building for pilot countries, in collaboration with UNSD, in operationalization of GSGF and IGIF
- In-depth research on conceptual framework for Asia-Pacific geospatial information platform and UN-GGIM-AP geospatial information service center, after receiving comments and guidance from EB members
- Geoscience Australia, member of GEO’s Pacific Island Advisory Group (PIAG), proposed to facilitate needs survey for Pacific countries, in collaboration with UN-GGIM-AP and ESCAP’s Regional Space Applications Programme (RESAP)



# Expected financial support

## Article 25 Financial Contribution

- The Committee may invite Members to make a financial contribution in order to achieve some special purpose or objectives approved by the Committee and the Executive Board may also invite financial support from other sponsors

***Geoscience Australia has agreed to contribute fund to the Secretariat for its service in 2021. Final process on transferring fund is undergoing.***



# For consideration of EB members

- Approve the work plan proposed by the Secretariat (Minutes of EB meeting will be sent to EB members by 15 June 2021)
- Assist the Secretariat to work out detailed timeline/schedule of events, including those for WGs and collaboration with UNSD
- Tools and operation platform to support online meetings and capacity building under new norm after breakout of covid-19
- Contribution from member States to the Secretariat, in term of technical, human and financial resources, to assist the Secretariat to achieve the goal set by the Committee.
- Sponsoring JPOs or NRL experts to work in the Secretariat.



# Thank you



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