



United **Smart
Sustainable
Cities**

Brief Overview
Guidelines on Strategies for Circular Cities

Dr. Okan Geray
U4SSC Leader

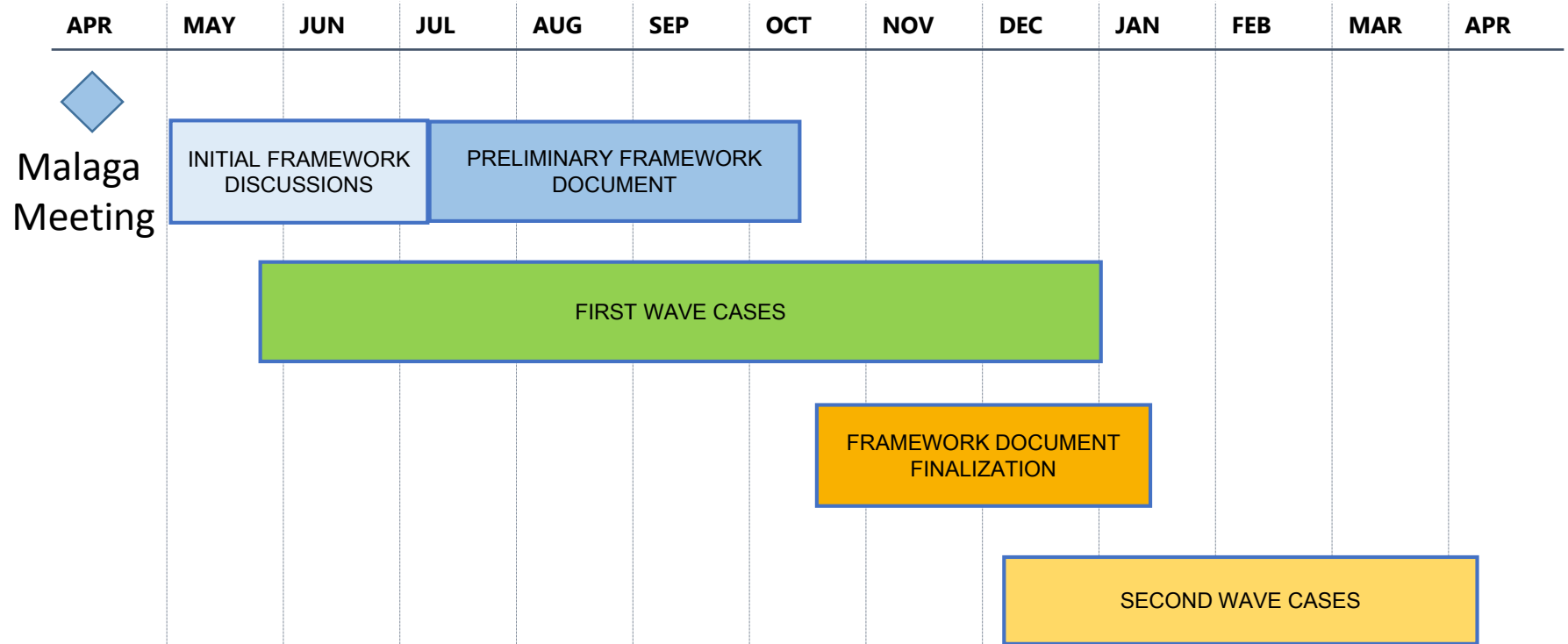


Scope & Work

- **Formulate a Circular City Strategic Framework**
- **Identify City Assets & Products (e.g. infrastructure, resources, products / services, etc.)**
- **Identify potential actions on City Assets & Products (e.g. recycling, refurbishing, reusing, replacing, sharing, digitizing, etc.)**
- **Determine a strategic prioritization approach (value versus ease of implementation)**
- **Determine implementation levers (e.g. policies, regulations, procurement, financial incentives, capability and awareness)**
- **Select and prepare representative case studies**
- **7 E-Meetings have been held since our kick-off in November 2017**



TIMELINE DIAGRAM – 2018 & 2019





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Brief Overview
City Science Application Framework

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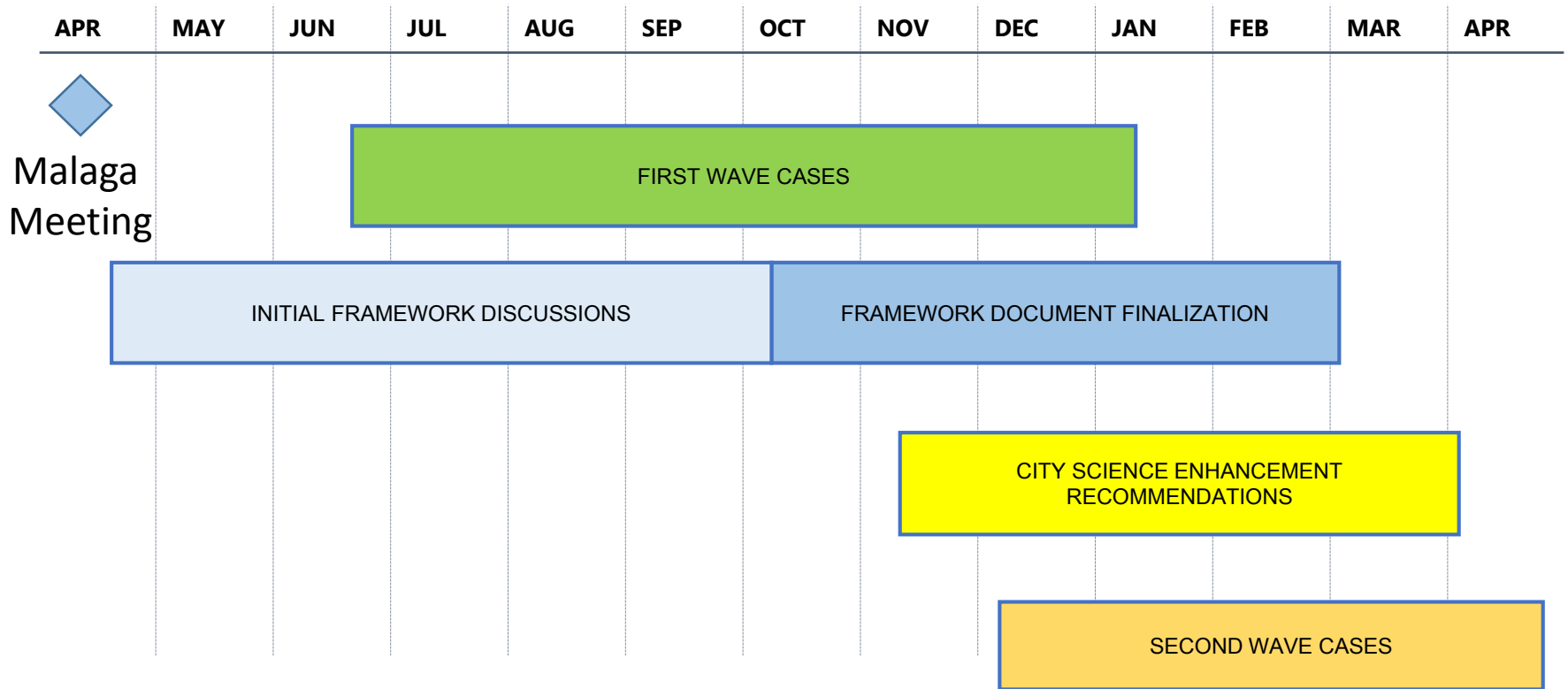


Scope & Work

- **Formulate an Urban Problem Solving Framework**
 - **Identify the problem**
 - **Model the problem**
 - **Solve the model (city science techniques)**
 - **Apply the model solution to the urban problem**
 - **Assess the impact (social, economic and environmental)**
- **Identify city science stakeholders**
- **Determine levers and mechanisms to boost city science application to urban problems (e.g. partnerships, policies, skills boosting)**
- **Select and prepare representative case studies**
- **6 E-Meetings have been held since our kick-off in November 2017**



TIMELINE DIAGRAM – 2018 & 2019





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Brief Overview
Guiding Principles for Artificial Intelligence in Cities

Dr. Okan Geray
U4SSC Leader



Scope & Work

- **Identify potential uses of Artificial Intelligence (AI) in Smart Sustainable Cities (SSC)**
- **Leverage City Science Application Framework deliverable outcomes**
- **Determine regulatory, policy and ethical aspects of AI usage in SSC**
- **Design a suggested local and global ecosystem for enhancing AI usage in SSC**
- **Select and prepare representative case studies**



TIMELINE DIAGRAM – 2019 & 2020



PRELIMINARY

