



2019  
**LISBON CES**  
CIVIL ENGINEERING SUMMIT  
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ICE Sustainability Route Map

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 **SUSTAINABLE DEVELOPMENT GOALS**



## ECCE

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- GEC programme: Day 3
  - Aris Chatzidakis presentation: SDG7 clean energy: Complex, resilient and intelligent systems: Sustainable structural design: energy efficiency vs structural efficiency
  - European Year of the Civil Engineer: closing statement by Włodzimierz Szymczak, ECCE Acting President
- 68<sup>th</sup> ECCE General Assembly
  - Launch of book “Notes on the history of civil engineering”
  - Council Elections
- ECCE Gala Dinner



- 3500 delegates
- 200 speakers
- 82 Countries
- 50 Global Organisations



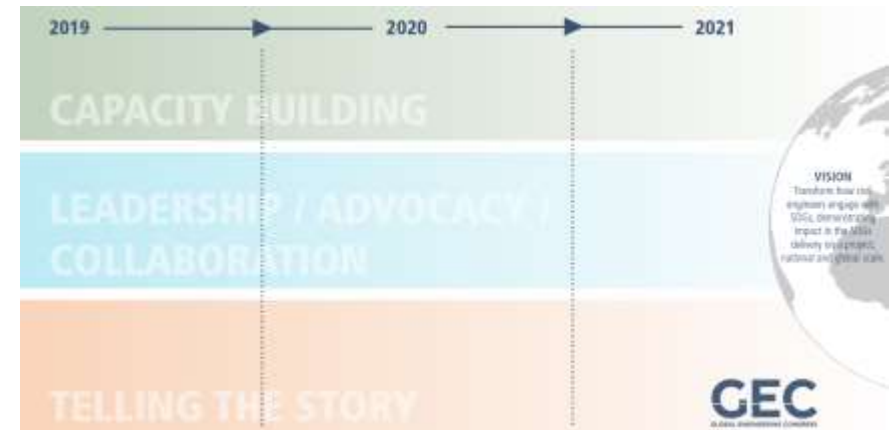
# Before



Developed a Statement of Intent

- Capacity Building
- Leadership Advocacy and Collaboration
- Telling the Story

- Used the three streams from the Statement as a framework to capture actions at the GEC





# During



- Volunteers helped us in the 'Action Room' to capture the key issues/challenges/ideas

- These were added to the Route Map wall chart



# Key Impact Areas

## **Measuring Monitoring and Reporting**

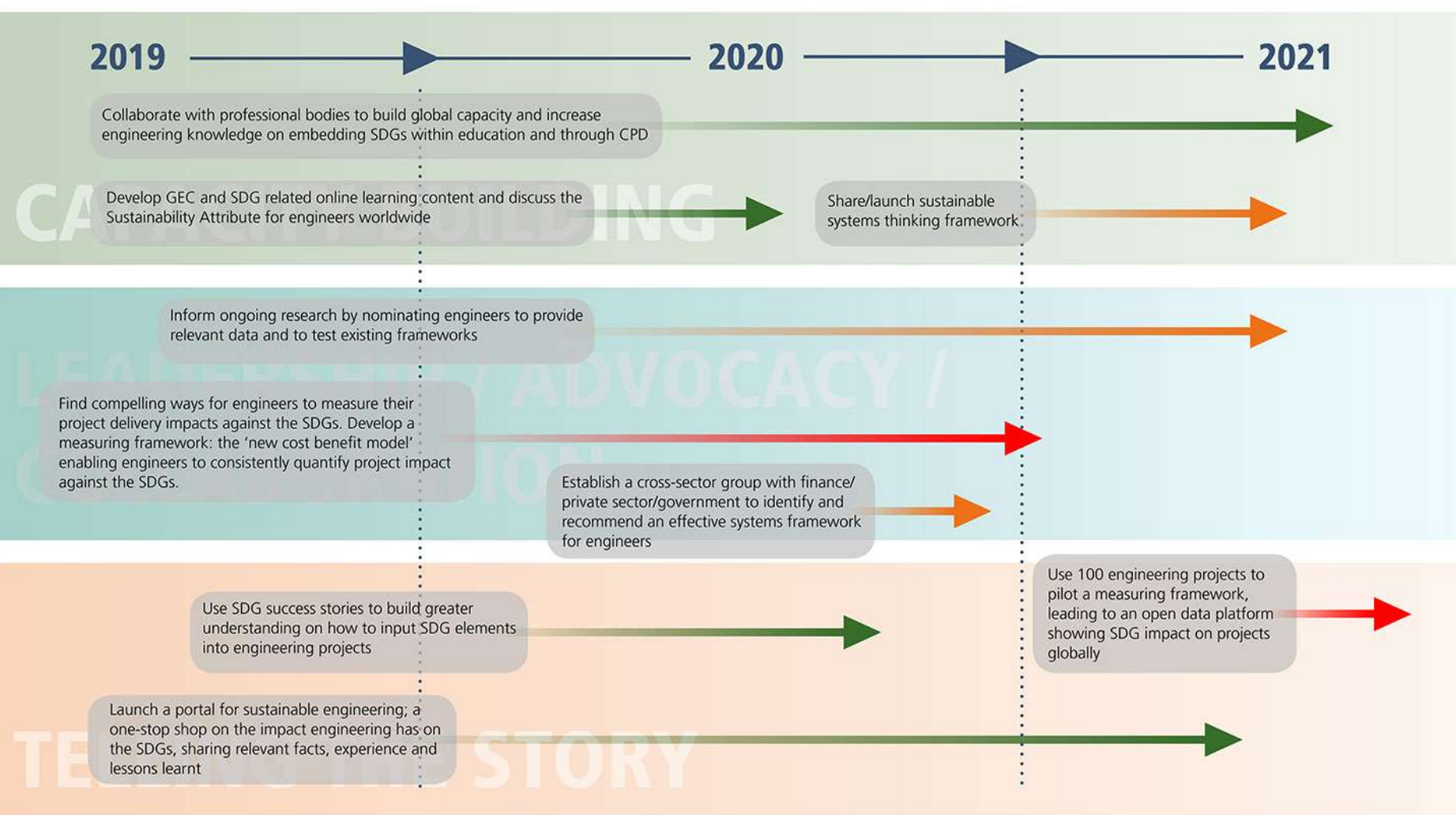
Find compelling ways for engineers to consistently measure SDG impact across infrastructure projects or programme.

## **Capacity Capability and Education**

Work with other professional bodies to increase knowledge on SDGs through education and CPD.

## **Systems Approach**

Enable a shift from self-contained single projects towards an outcome-based system.



## WORKING GROUPS

- **MEASURING, MONITORING AND REPORTING**
- **GLOBAL KNOWLEDGE SHARING**
- **SYSTEMS APPROACH**

## VISION

Transform how engineers engage with SDGs, demonstrating impact in the SDGs delivery on a project, national and global scale.



## Sustainability Route Map

### Global Engineering Congress

In 2018, ICE hosted the Global Engineering Congress in London. Held in collaboration with engineering organisations from around the world, it brought together thousands of delegates from more than 80 countries to address the United Nation's Sustainable Development Goals (SDGs). The sustainability route map transforms learning from the Congress into actions.

### Sustainable Development Goals

In 2015 the United Nations' member states agreed to adopt 17 international Sustainable Development Goals (SDGs), and achieve them by 2030. These goals have become the benchmark for sustainability; they are universally applicable and integrated to facilitate a domino effect of change.

### SDGs and engineering

The infrastructure designed and built by our members is the critical interface with our planet. It dictates the patterns and flows through which we live our daily lives and affects our long-term well being. As the infrastructure becomes more interconnected and demands more resources, we have an ever increasing responsibility to ensure that it contributes to sustainability as described through the SDGs.

<https://www.ice.org.uk/knowledge-and-resources/sustainability-route-map>



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# Civil Engineers Declare

<https://www.civilengineersdeclare.com/>