H2020 – Societal Challenge 4 – Smart, green and integrated transport

- **Automated road transport**
  

  **Topic:** **ART-01-2017:** ICT infrastructure to enable the transition towards road transport automation  
  Deadline: 26/01/17 (1st stage) – 27/09/17 (2nd stage)

  **Topic:** **ART-03-2017:** Multi-Brand platooning in real traffic conditions  
  Deadline: 26/01/17 (1st stage) – 27/09/17 (2nd stage)

  **Topic:** **ART-07-2017:** Full-scale demonstration of urban road transport automation  
  Deadline: 26/01/17 (1st stage) – 27/09/17 (2nd stage)

- **Green vehicles**
  

  **Topic:** **GV-01-2017:** Optimisation of heavy duty vehicles for alternative fuels use  
  Deadline: 01/02/17

  **Topic:** **GV-04-2017:** Next generation electric drivetrains for fully electric vehicles, focusing on high efficiency and low cost  
  Deadline: 01/02/17

  **Topic:** **GV-05-2017:** Electric vehicle user-centric design for optimised energy efficiency  
  Deadline: 01/02/17

  **Topic:** **GV-06-2017:** Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency  
  Deadline: 01/02/17

  **Topic:** **GV-07-2017:** Multi-level modelling and testing of electric vehicles and their components  
  Deadline: 01/02/17

  **Topic:** **GV-08-2017:** Electrified urban commercial vehicles integration with fast charging infrastructure  
  Deadline: 01/02/17

  **Topic:** **GV-09-2017:** Aerodynamic and flexible trucks  
  Deadline: 01/02/17

  **Topic:** **GV-10-2017:** Demonstration (pilots) for integration of electrified L-category vehicles in the urban transport system  
  Deadline: 01/02/17

  **Topic:** **GV-13-2017:** Production of next generation battery cells in Europe for transport applications  
  Deadline: 01/02/17

- **Mobility for Growth**
  
Topic: **MG-1-2-2017: Reducing aviation noise**
Deadline: 01/02/17

Topic: **MG-1-4-2016-2017: Breakthrough innovation**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-1-5-2016-2017: Identification of gaps, barriers and needs in the aviation research**
Deadline: 01/02/17

Topic: **MG-1-3-2017: Maintaining industrial leadership in aeronautics**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-2.1-2017: Innovations for energy efficiency and emission control in waterborne transport**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-2.4-2017: Complex and value-added specialised vessels**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-3.2-2017: Protection of all road users in crashes**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-4.1-2017: Increasing the take up and scale-up of innovative solutions to achieve sustainable mobility in urban areas**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-4.2-2017: Supporting 'smart electric mobility' in cities**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-4.3-2017: Innovative approaches for integrating urban nodes in the TEN-T core network corridors**
Deadline: 01/02/17

Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-5-4-2017: Potential of the Physical Internet**
Deadline: 01/02/17 – CSA action
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage) – RIA action

Topic: **MG-7-1-2017: Resilience to extreme (natural and man-made) events**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-7-2-2017: Optimisation of transport infrastructure including terminals**
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage)

Topic: **MG-7-3-2017: The Port of the future**
Deadline: 01/02/17 – CSA action
Deadline: 26/01/17 (1st stage) – 19/10/17 (2nd stage) – RIA action

Topic: **MG-8-2-2017: Big data in Transport: Research opportunities, challenges and limitations**
Deadline: 01/02/17

Topic: **MG-8-4-2017: Improving accessibility, inclusive mobility and equity: new tools and business models for public transport in prioritised areas**
Deadline: 01/02/17

Topic: **MG-8-5-2017: Shifting paradigms: Exploring the dynamics of individual preferences, behaviours and lifestyles influencing travel and mobility choices**
Deadline: 01/02/17

Topic: [MG-8-7-2017: Future research needs and priorities in the area of transport](#)

Deadline: 01/02/17