

CATALISTI

UPCOMING CALLS WITHIN HORIZON 2020

OPEN CONSORTIUM MEETING
RENEWABLE CHEMICALS
1 JUNE 2017

 CATALISTI



HORIZON 2020 STRUCTURE AND TIMING

STRUCTURE : 3 PILLARS

- INDUSTRIAL LEADERSHIP
 - NMBP (NANOTECHNOLOGIES, ADVANCED MATERIALS, BIOTECHNOLOGY AND PRODUCTION)
 - SPIRE (SUSTAINABLE PROCESS INDUSTRIES)(JTI)
- SOCIETAL CHALLENGES
 - SC 2: FOOD SECURITY, SUSTAINABLE AGRICULTURE AND FORESTRY, MARINE AND MARITIME AND INLAND WATER RESEARCH & THE BIOECONOMY
 - SC 5: CLIMATE ACTION, ENVIRONMENT, RESOURCE EFFICIENCY, RAW MATERIALS
- EXCELLENCE IN SCIENCE

TIMING

WORK PROGRAM 3 COVERING YEARS 2018-2020

EXPECTED TO BE FUNDED WITH ≈ €47 BILLION

EXPECTED LAUNCH MID-2017 (AS A 2+1 PACKAGE)

HORIZON 2020 DRAFT PROGRAMMES

ORIENTATIONS FOR NMBP

- PILLAR 1: FOUNDATIONS FOR TOMORROW'S INDUSTRY
- PILLAR 2: FOURTH INDUSTRIAL REVOLUTION
- PILLAR 3: INDUSTRIAL SUSTAINABILITY

DRAFT WORK PROGRAMME SC2

- SUSTAINABLE FOOD SECURITY
- RURAL RENAISSANCE
- BLUE GROWTH

DRAFT WORK PROGRAMME SC5

- BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: CLIMATE ACTION IN SUPPORT OF THE PARIS AGREEMENT
- GREENING THE ECONOMY IN LINE WITH THE SUSTAINABLE DEVELOPMENT GOALS

ORIENTATIONS FOR NMBP: EXTRACT FROM TABLE OF CONTENT

PILLAR 3 INDUSTRIAL SUSTAINABILITY

48 - Industrial symbiosis (IA)

49 - Energy and resource efficiency in highly energy intensive industries (IA)

50 - Making the most of mineral waste, by-products and recycled material as feed for high volume production (IA)

51 - Efficient integrated downstream processes (IA)

52 - Adaptation to variable feedstock through retrofitting (IA)

53 - Improved production of recyclable materials containing plastics (IA)

54 - Recovery of industrial water and of the thermal energy and substances contained (IA)

55 - Improved industrial processing using novel high temperature resistant Materials (RIA)

56 - Processing of material feedstock using non-conventional energy sources (RIA)

57 – Digital technologies for improved performance in cognitive production plants (RIA)

58 - Materials and structures with intelligent recycling properties by design (RIA)

59 - Photocatalytic synthesis (RIA)

60 - Waste to chemicals (RIA)

61 - Catalytic transformation of hydrocarbons

62 - Materials for future highly performant electrified vehicle batteries (RIA)

63 - Strengthening eu materials technologies for non-automotive battery storage (IA)

64 - Non-battery based energy storage (RIA)

65 - Materials for off shore energy (IA)

66 - Smart materials, systems and structures for energy harvesting (RIA)

67 - Advanced materials for innovative multilayers for durable photovoltaics (IA)

68 - Integration of energy smart materials in non-residential buildings (IA)

69 - Smart operation of proactive residential buildings (IA)

70 - Building information modelling adapted to efficient renovation (RIA)

71 - Validation of integrated thermal storage systems (IA)

72 - New developments in plus energy houses (IA)

73 - Industrialisation of plug & build envelope for the renovation market (IA)

74 - Hybrid storage systems for power and heat in residential buildings and districts (RIA)

75 – Digital technologies for construction, from design to end of life (IA)