



Carbon Fibres & Advanced High Performance Composites Council (CFPC)



Scope

The project clustering activity under H2020 aims to bring together EC funded projects to enable the sharing of ideas, results and concepts and to use the synergistic effect to improve the dissemination and exploitation of the project results and enhance their impact.

Five projects, which initially formed this council, relate to the sustainable production and recycling of carbon fibres (CF) and carbon fibre composites. **CARBOPREC**, **FIBRALSPEC** and **NEWSPEC** investigate CF precursor development where cheaper CF and independence from international monopolies are some of the main aims. **EUCARBON** aims at independence from non-European suppliers. **REFORM** deals with the recycling of CF composites.

Objectives

- Development of alternative precursors.
- Optimization of precursors characteristic to further improve carbon fibre performance properties.
- Implementation of pilot/industrial facilities capable to manufacture innovative carbon fibre products.
- Focus on more efficient and sustainable products and processes based on life cycle assessment studies.
- Development of modelling and simulation tools to provide further understanding of properties and phenomena towards the optimisation of carbon fibre products and related manufacturing processes.
- Development of carbon fibre reinforced polymer (CFRP) products
- Development of European research and industrial network for carbon fibre products



Common activities and goals

- Networking
- Standards
- Strategic Research Agenda / Roadmaps
- Dissemination i.e. Fairs & Conferences
- Modelling
- Infrastructure
- Health & Safety

Council Structure

The CFPC is an open group and a self-driven initiative.

CFPC Governing Board: A. Stalios (EC), I. Verpoest, C. Charitidis, N. Correia. M. Falasconi

Administrator: J. Yellup

WG Leaders and Vice Leaders: Canoe, NTUA, INEGI, University of Leuven, University of Sheffield, Warrant Group, IRES, OSM, POLITO, ITA, FISIFE

