

Introduction -

Overview of Defra / Agency FCERM R&D Programme and the Estuaries Research Programme

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What is the FCERM R&D Programme?

Objectives of FCERM R&D Programme

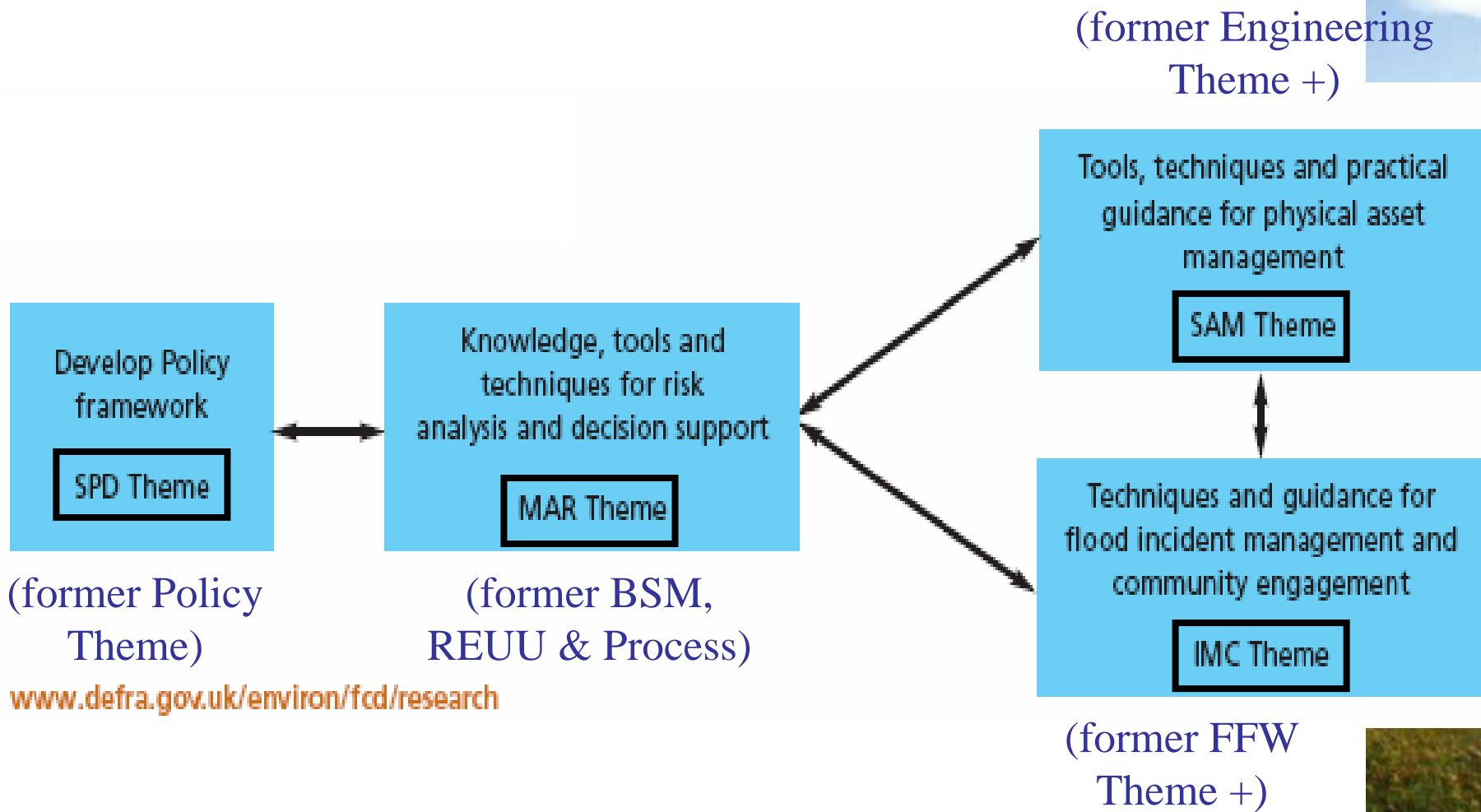
- To develop and deliver FCERM Science
- To embed R&D into the FCERM
- To improve links and partnerships
- To integrate with other R&Ds
- To facilitate benefits realisation within FCERM

Why FCERM Science?

To help to reduce the **threat to people and their property**; and deliver the greatest **environmental, social and economic benefit**, consistent with the Government's **sustainable** development principles



Revised Thematic Structure for the Joint Programme



www.defra.gov.uk/environ/fcd/research

Overall objective of MAR Theme

To develop and deliver better risk assessment and management,

- by
- improving knowledge and process understanding,
 - developing methods, models and assessment tools,
 - integrating impact assessment and system models,

as needed by the FCERM business and / or science,

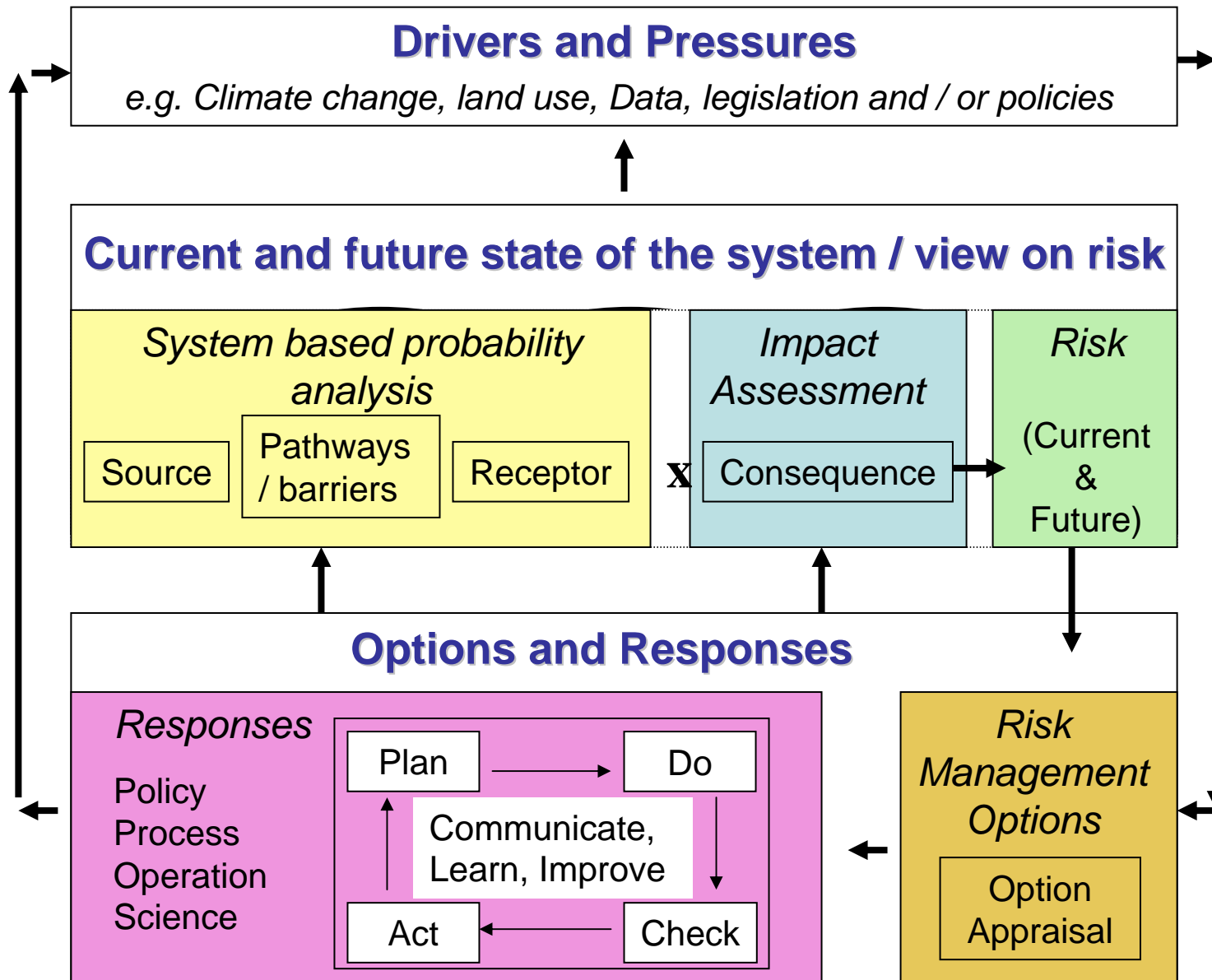
directly aimed at

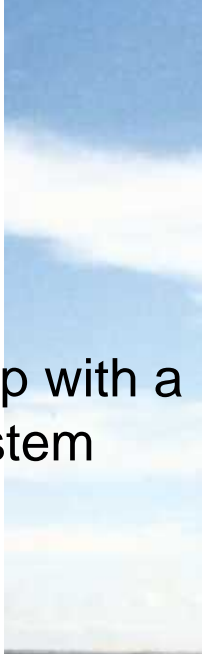
- improving decision-making, delivery and communication
- to reduce flood and coastal risk,
- taking into account current and future uncertainties.

R&D Area

- Risk-based Knowledge and Methods
- Spatially-based processes and models
- Integrated system models and applications







Estuaries Research Programme (ERP) within the Defra / Agency R&D (MAR) Programme

- **1998** - a three phased **ERP** was established.
- **FD1006** - The Estuary Process and Morphology Scoping Study came up with a 10 years programme of research to deliver an Estuary Management System containing physical, ecological, social, economic factors.

ERP Phase 1 (Completed)

FD1401 - The Estuarine Morphology and Processes Holistic Assessment SYStem (EMPHASYS) project produced a guide to the prediction of morphological change in estuary systems.

- It helped further development of an Estuary Impact Assessment System (EIAS) and produced recommendations for ERP Phase 2 (It was completed in 2000)

FD2110 - An uptake and dissemination project for ERP Phase 1 produced training materials and an estuaries database to raise awareness

FD2115 - The ERP Phase 1 outputs were reviewed and an ERP Phase 2 research plan was produced

ERP Phase 2 (Started in 2002 and On-going)

FD1905 - Estuary Process Research Project (EstProc) - Completed

FD2116 - Review of Geo-morphological Concepts - Completed

FD2107 - Hybrid estuary model development - Dissemination

FD2117 - Estuary Simulators Development (EstSim) - Dissemination

FD2119 - Development and dissemination of the ERP
to develop, deliver and disseminate the enhanced EIAS,
to facilitate uptake of Phase 2 and t
to scope the requirements of the future ERP Phase 3 programme.
(on-going project due to finish in 2008)

ERP Phase 3 (Start in 2009-10)

