

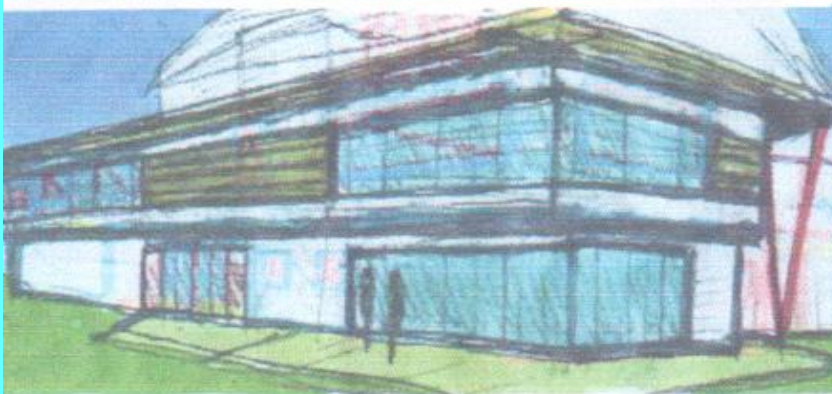
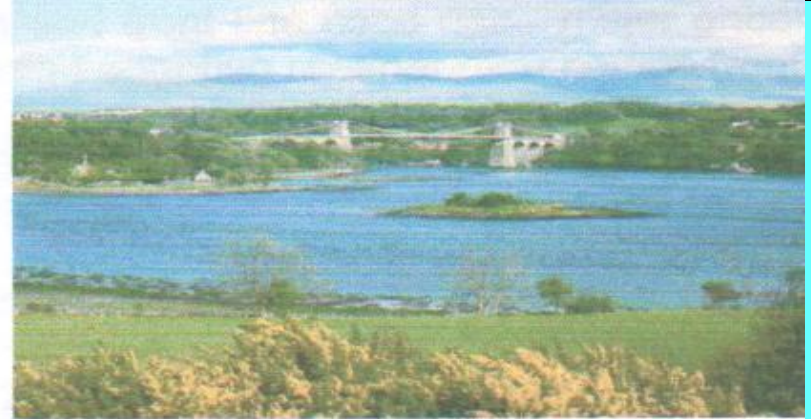
North Wales 2015, here we come!

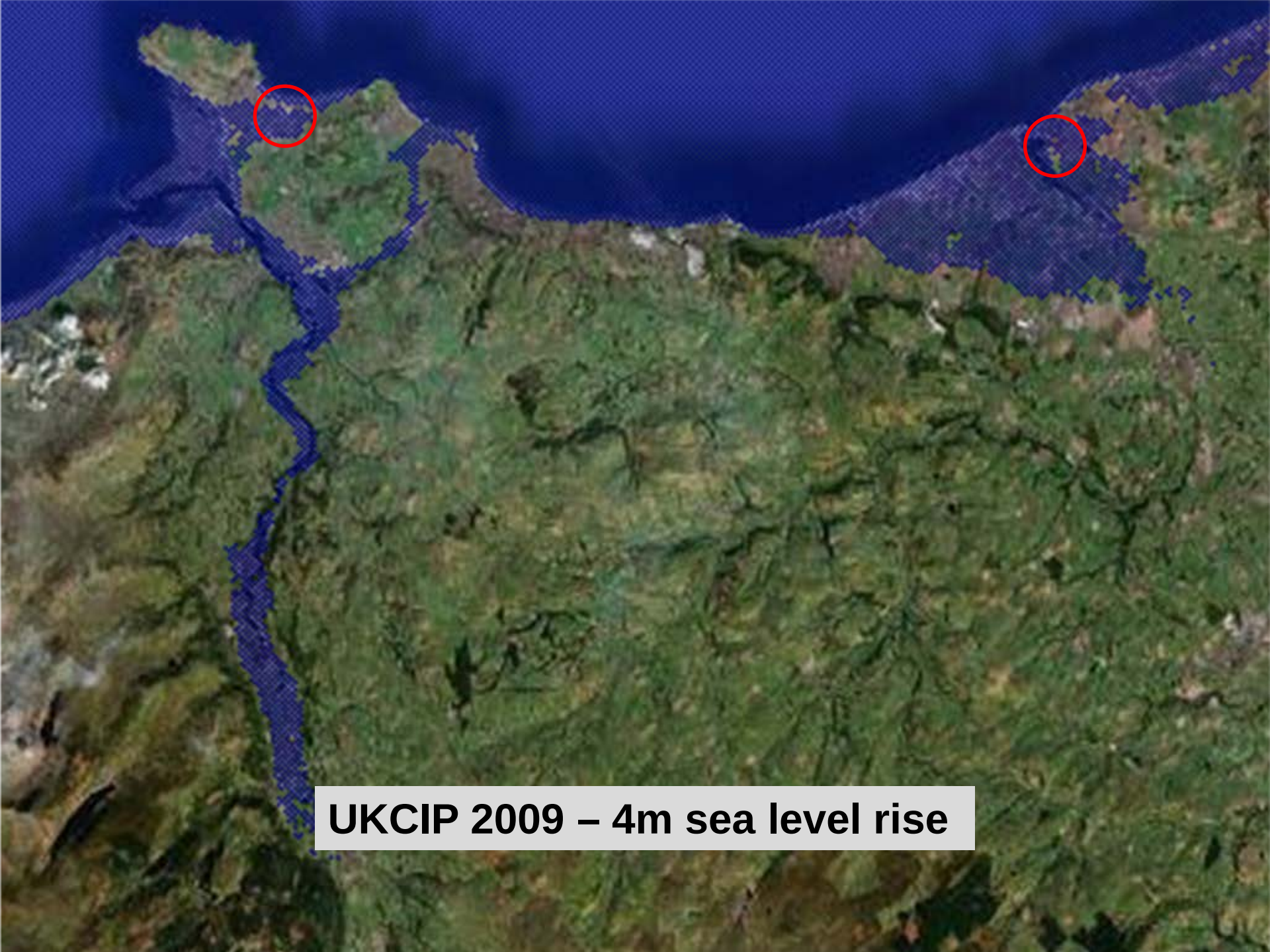


ISMF's 3rd Annual Conference,
Liverpool, 2nd July 2014
Cllr Stuart Anderson

TOPICS:-

- (i) North Wales' regional context**
- (i) EU parameters ('MAREN 2', CPMR association, the Atlantic Action Plan)**
- (i) Engagement (theme for 2015)**

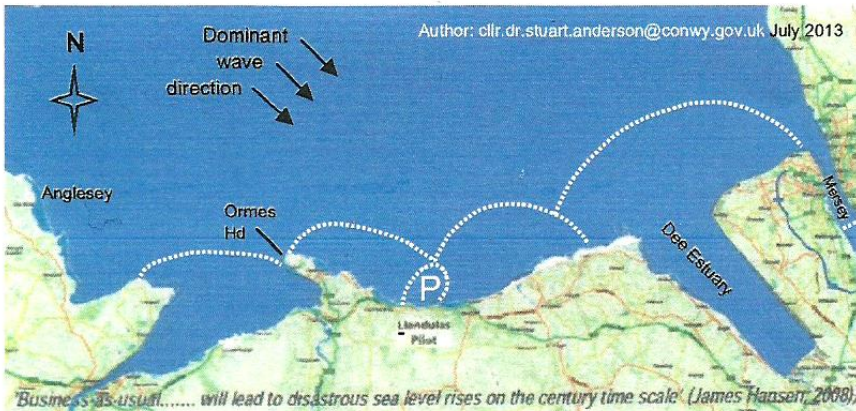




UKCIP 2009 – 4m sea level rise

ONE COAST, ONE FUTURE...

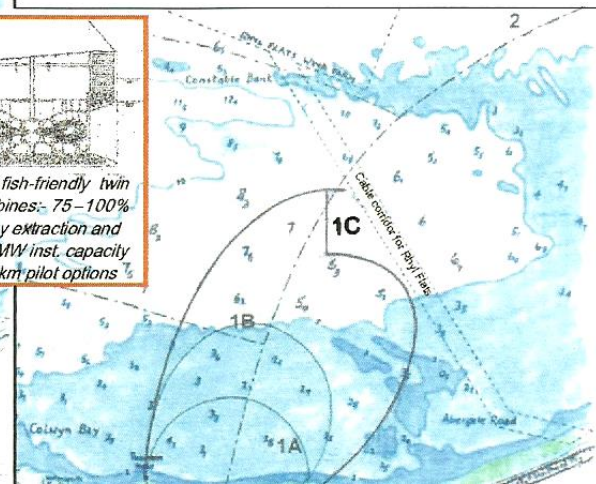
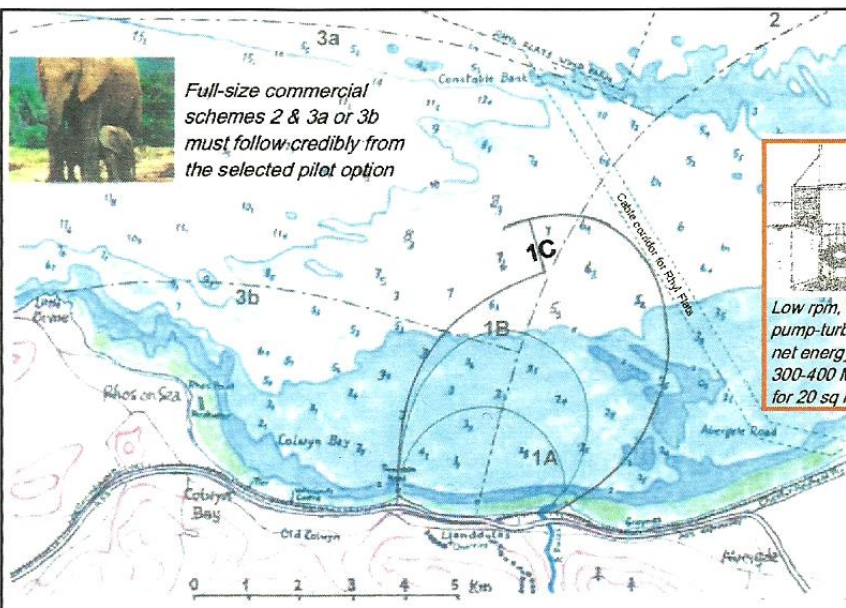
SCOPING AND SIZING UP THE LLANDDULAS PILOT TIDAL IMPOUNDMENT

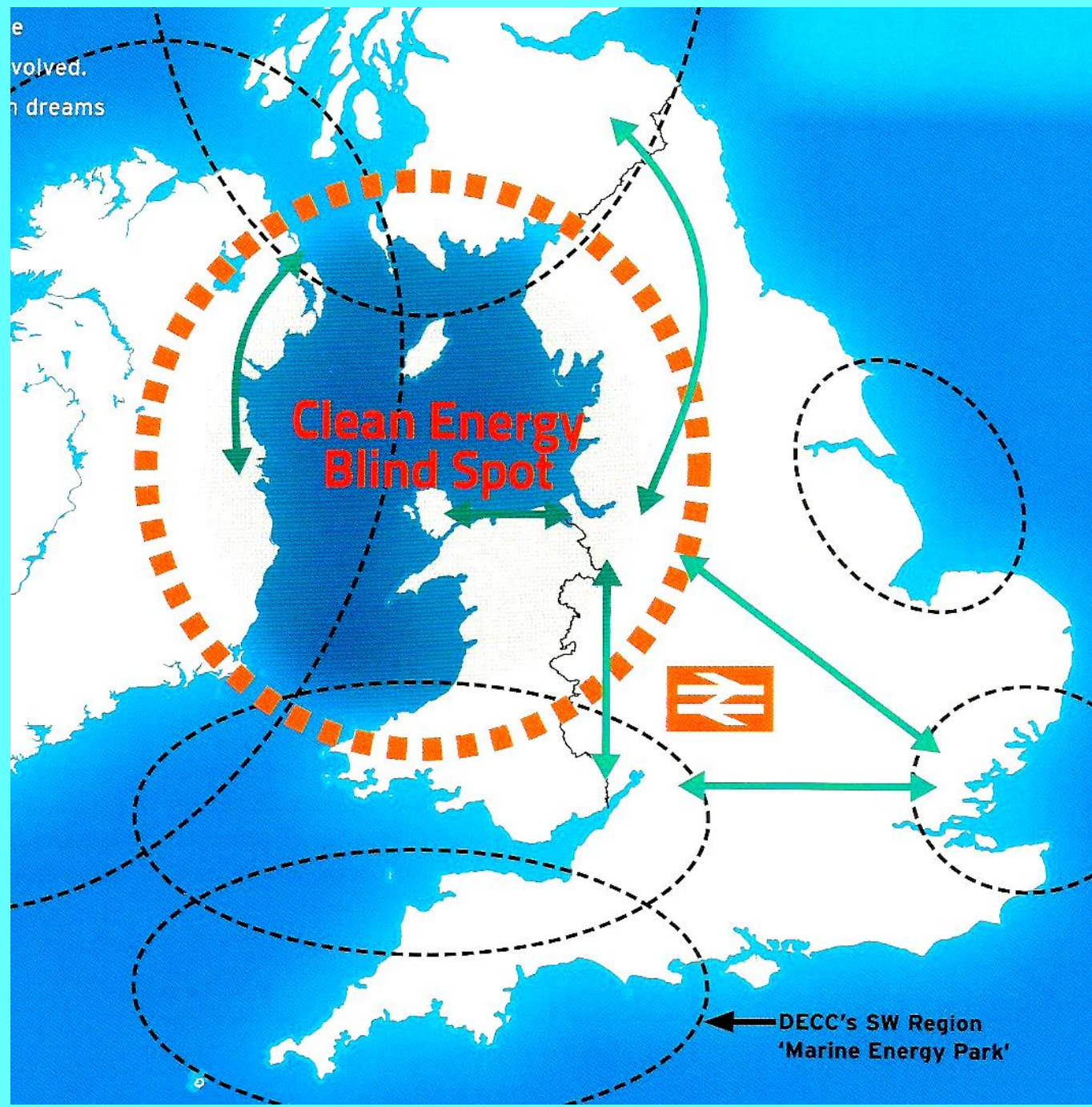


Above: taking the long view. After pilot scheme P, Liverpool Bay project sequence eventually uses 700 sq km of seabed, ~10GW installed capacity netting av. ~3GW at 75-100% energy extraction.



Above: Llanddulas aerial view from the W. Dotted arrows indicate coastal connections of all pilot scheme options shown below...





JOINING THE RACE FOR LEADERSHIP OF PLACE:

centrality along Liverpool Bay of Conwy and Wales Government regional office means opportunities to join up agendas L & below



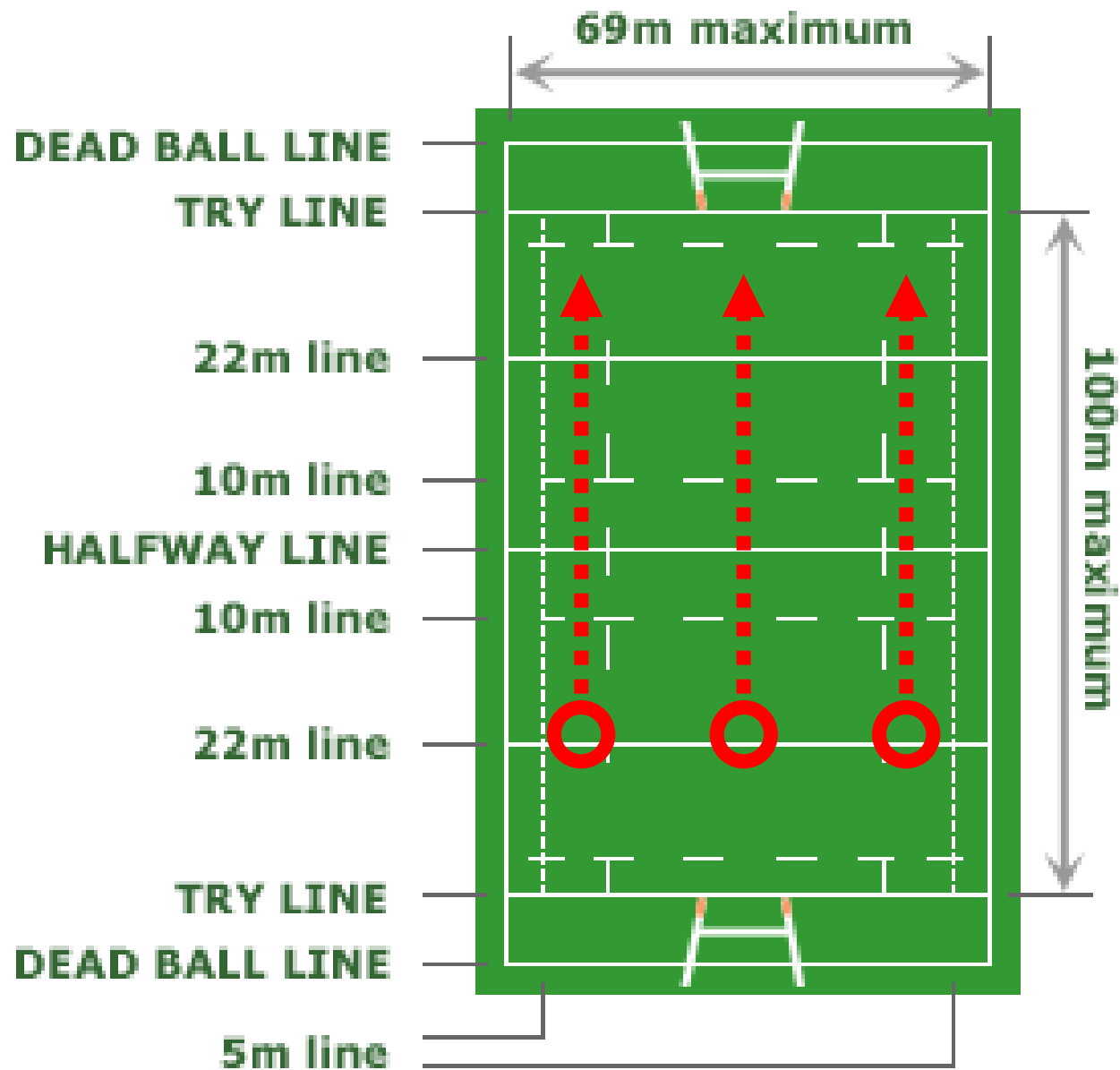
Rock armour (~20% of material in tidal impoundments) could come from local quarries such as Penmaenmawr Mtn, where the upper reservoir can simultaneously be shaped for a much needed 'brown-field' conventional pumped storage scheme of twice Dinorwig's capacity.....

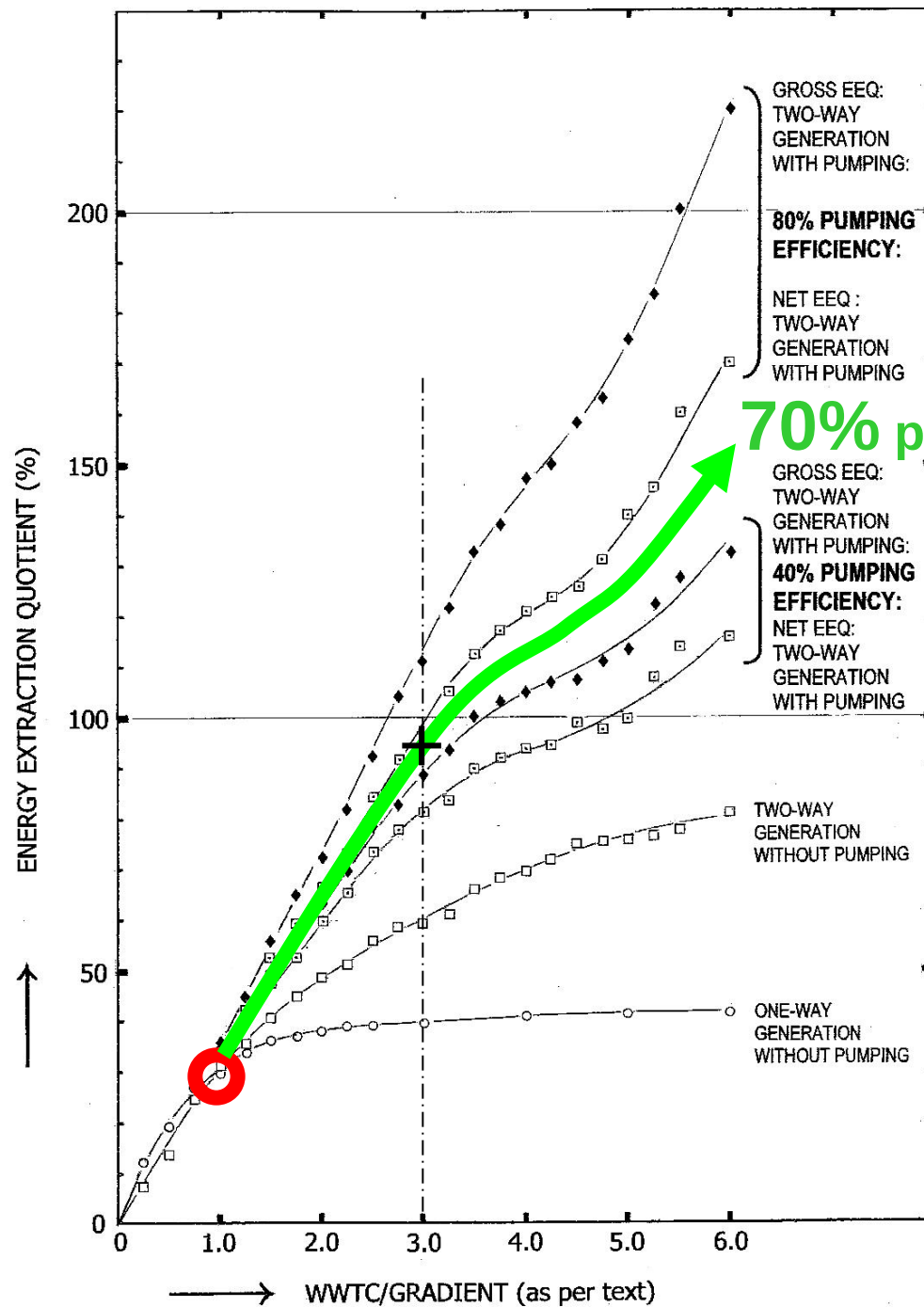




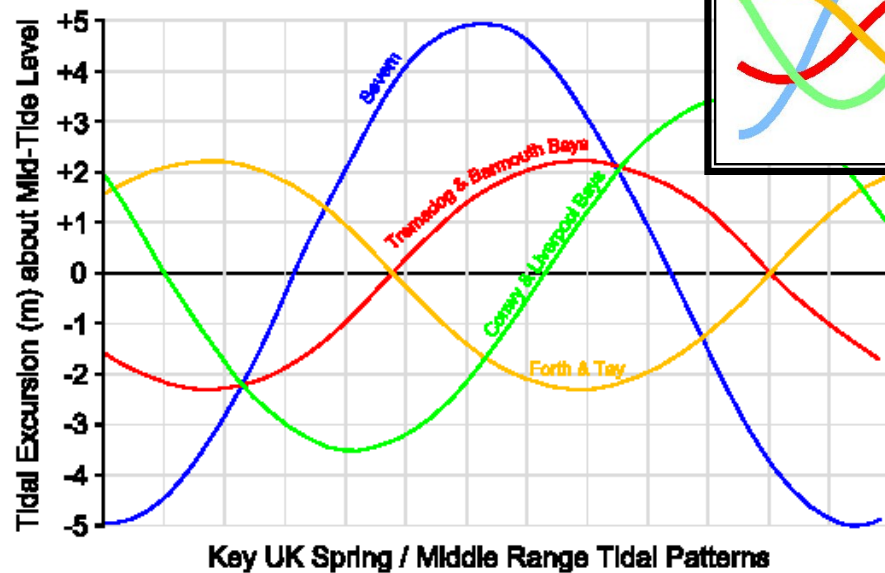
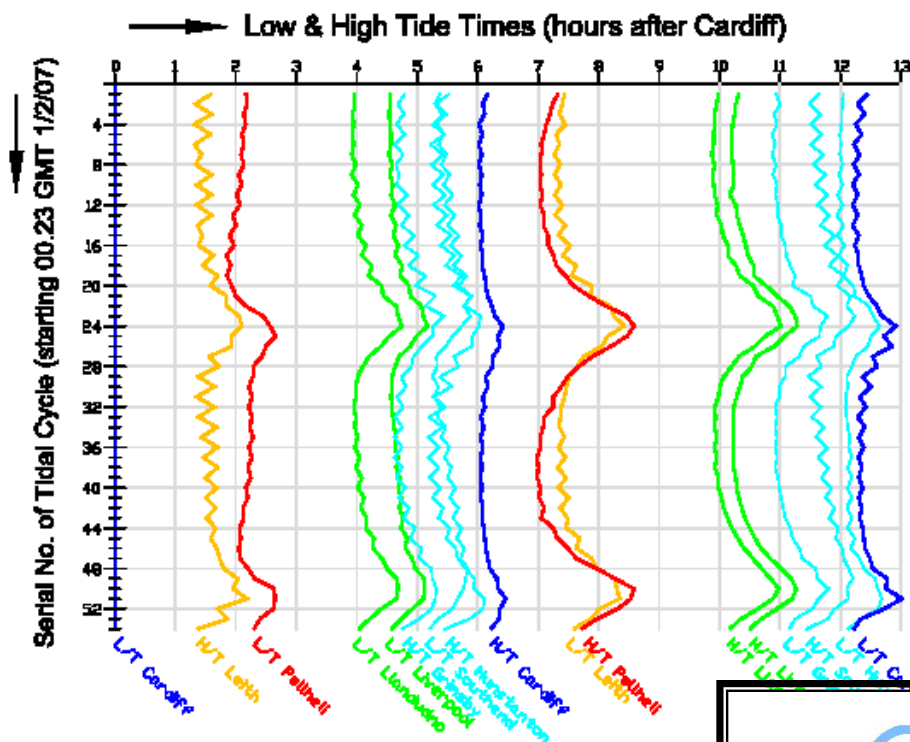


Standard Rugby Union pitch

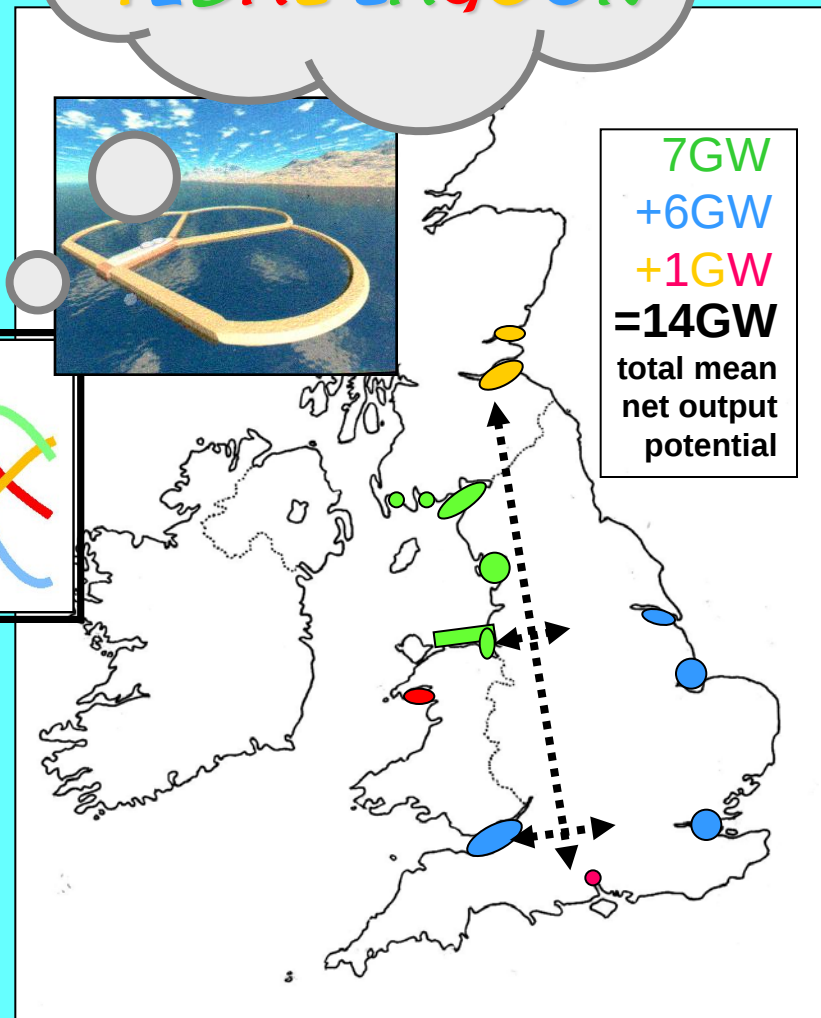
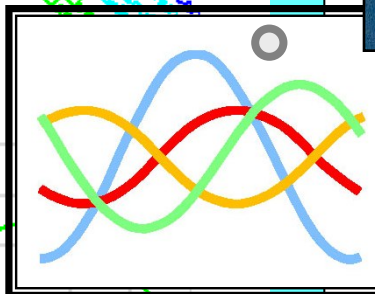
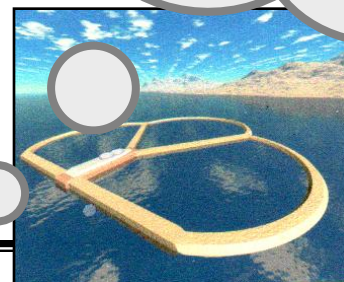




70% pumping efficiency

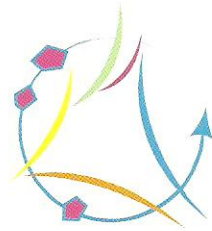


2050:
UK-WIDE
MULTI-CELL
TIDAL LAGOON



40 SUCCESSFUL YEARS AND MANY MORE TO COME

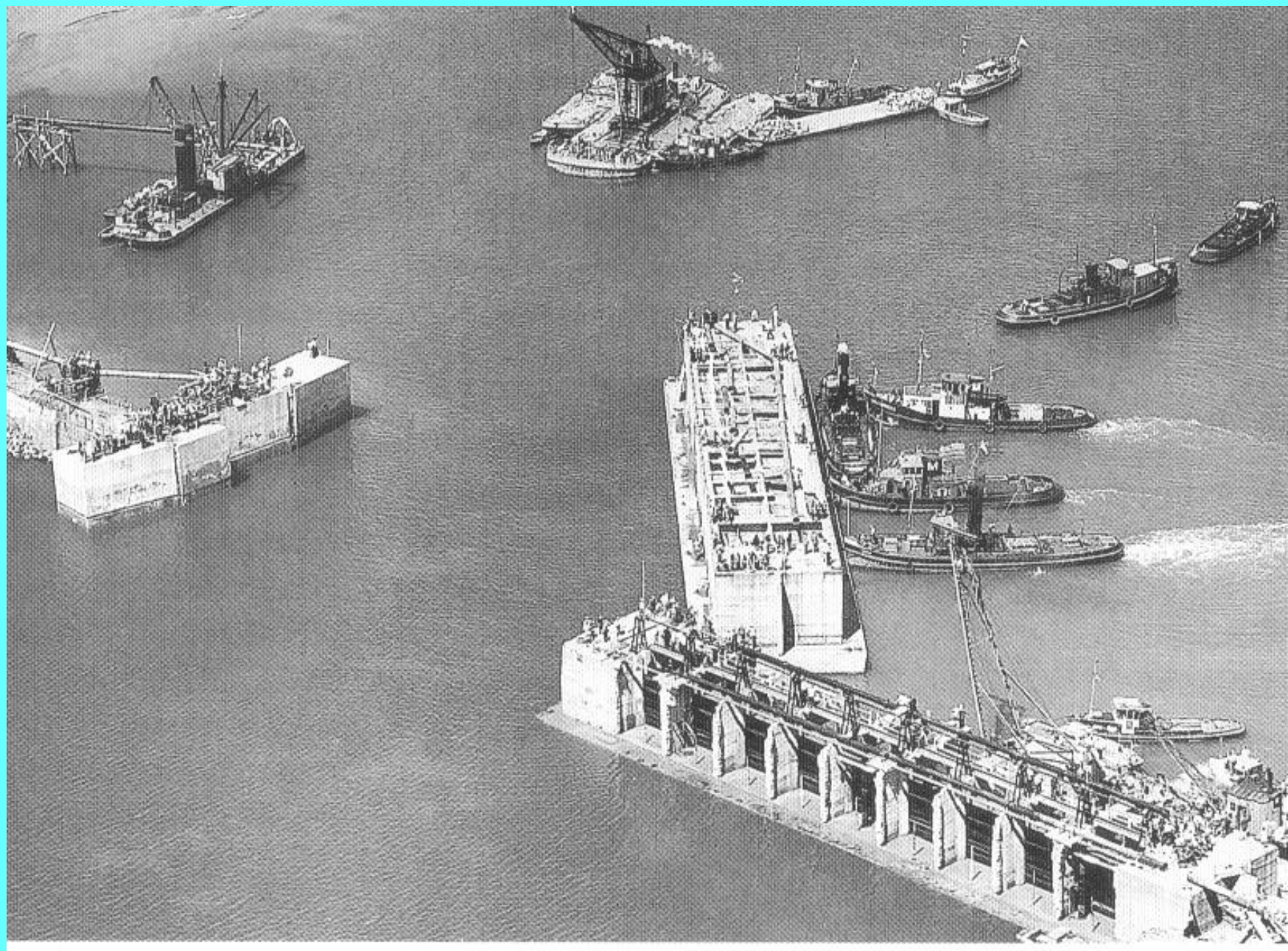
© Ville de Saint-Malo - Renaud Gasnier

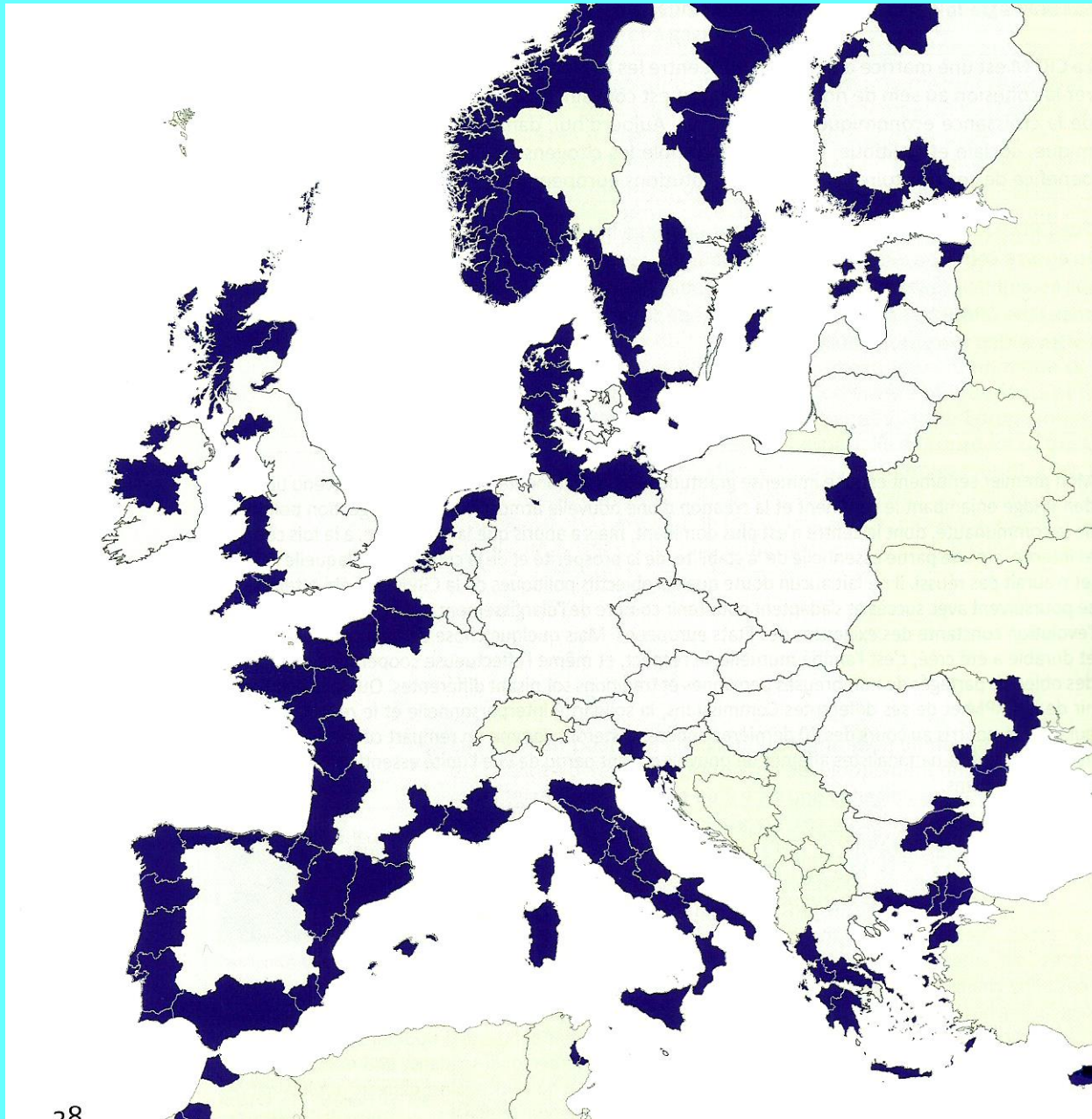


CRPM CPMR











ONE WORLD, ONE FUTURE....