

Scientific knowledge should contribute to sediment management

Scientists recognized the relevance of the sediment budget in coastal evolution for more than a half a century

Strategies that integrate the sediment budget analysis are relatively recent

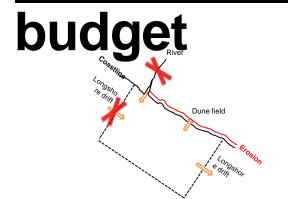


Sediment

hale the ediment volume entering and leaving a particular section of the coast

Evaluation of sediment fluxes and in the identification of the sources and sinks

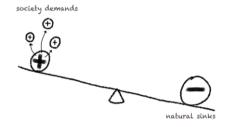
Sediment

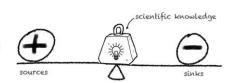














...but often disagree on the solution

Monodisciplinar view that only attends to the physical dimension of the problem

Sustainable coastal development must be supported in the equilibrium of social, economic and environmental values

Climate change will aggravate the problem



Regional sediment management arises as one of the most consensual approaches to coastal erosion

However, finding the solution does not guaranty its implementation

It has to be put in practice by coastal managers



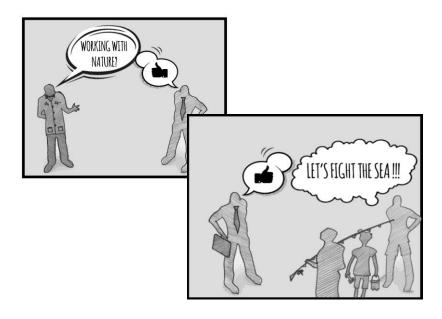
Transfer scientific knowledge to coastal managers which is NOT the same thing as delivering the solution

Sharing also the motivations, effects of the proposed solution and consequences of the alternatives

Engagement



The implementation of coastal measures very often depend on the interaction between political leaderships and institutions, and society



Because the implementation of coastal measures very often depend on the interaction between political leaderships and institutions and society

Scientists have to communicate with coastal managers as well as with society as a whole

Effectively communicate

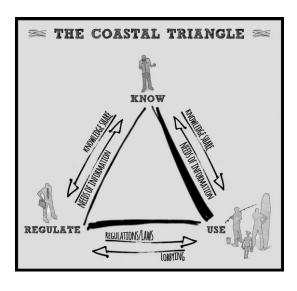


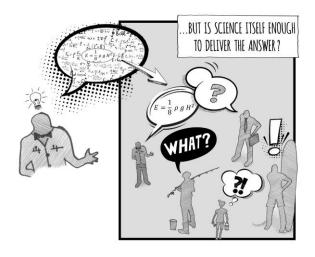


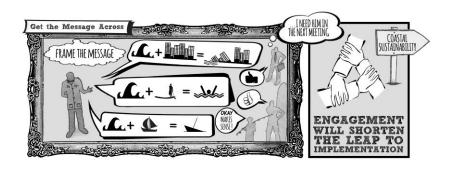
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Knowing the audience and taking into account also their needs of information

Framing the coastal message to meet the audiences' specific needs and expectations







<u>07</u>

Portuguese experience

Coastal erosion problems due to unbalance sediment budget









sources www.publica.pt/local/noticia/cordno-dunar-de-s-joao-da-caparica-recuos-20-metros-com-os-ultimos-temporais-1624403 pt.algurve-portal.comwww.publica.pt/local/noticia/mar-agitado-de-rubs-paredno-de-moledo-e-deixa-bar-de-praia-preco-por-um-fio-1626955



sources
http://www.scs-surfshop.com/loja/blog/hercules-storm-pt/#.VgAd7bSmDww

07

May 2014: establishment of GTL (*Grupo de Trabalho para o Litoral*)

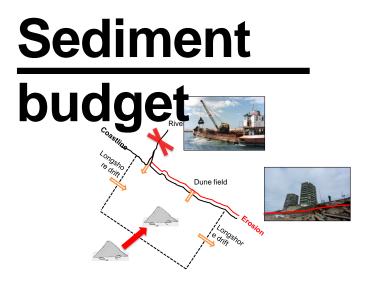
The definition of priority measures for the coastal zone

November 2014: the need to balance the sedimentary balance (priority areas, volumes)



April 2015: establishment of GT (*Grupo de Trabalho*) focused on the need to balance the sedimentary balance





Portuguese experience:

Sedimentary balance in the agenda of the Ministry of Environment Spatial Planning and Energy

Sedimentary management as a priority in Coastal Governance

