

Water infrastructure & use impacts on fish stocks

Nexus can be approached from the perspective of sustainability & interrelationship between the environment, society & economy.

Locally you can see examples of French supermarkets stocking seasonal produce to reduce energy and water footprints.

Food production requires energy in terms of machinery & fertilizer

Hexagon Generator at <http://www.classtools.net>

Large areas of Garonne valley are now classes as ‘Bio’ – in an attempt to reduce agro chemical runoff & eutrophication.

Nexus is a response to the global crisis that hit energy and food demands in 2007 and 2008.

These decade 'worry trends' were always single issues, now the move is towards nexus thinking.

Energy production impacts on water availability

France’s Bio (organic) industry has its HQ in L’Isle Jourdain (20km from school). They promote organically grown foodstuffs

Energy production needs water e.g. nuclear cooling

Clean water supply requires energy for treatment, pumping & distribution as well as for biofuel growth.

Food distribution requires energy, often referred to as 'Food Miles'

Energy production impacts on water quality e.g. pollution of groundwater supplies.

Fossil fuel extraction impacts on food supply and food prices.

Food production impacts on water quality through agro-chemical runoff & salinization

Pastoral and arable food production needs clean water

Food production impacts on water availability through over irrigation & groundwater extraction

Biofuels production impacts on food supply.

Water infrastructure & use impacts on food supplies

Climate change means that rainfall & water availability are likely to become more uncertain.

Water infrastructure impacts on land use

Food processing requires energy