



Une mise en perspective du développement durable au Maroc à travers l'empreinte écologique

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OBJECTIFS

Pour cette réunion:

- Introduire le système de comptabilité nationale de l'empreinte écologique
- Présenter des résultats pour le Maroc





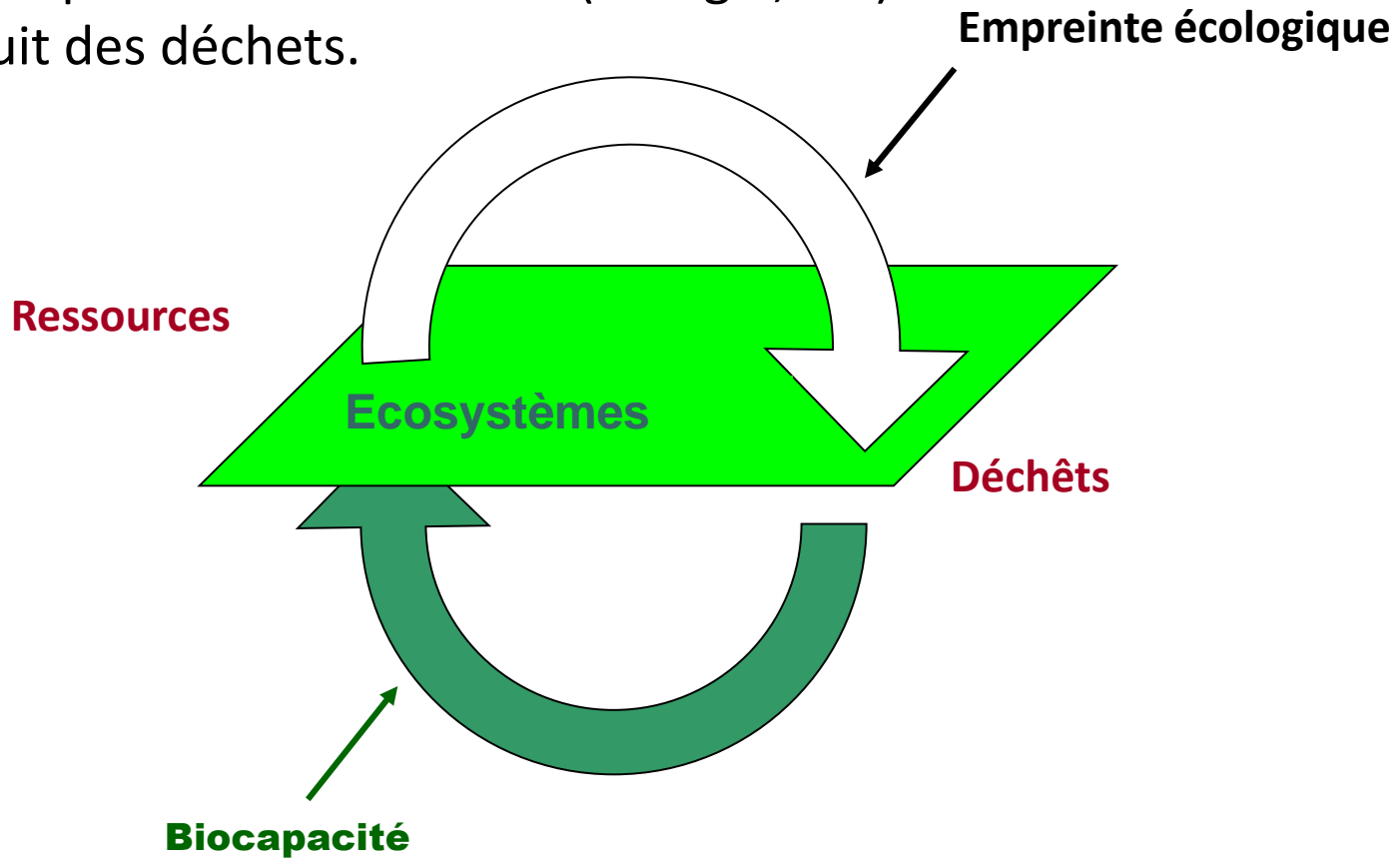
L'EMPREINTE ÉCOLOGIQUE, C'EST QUOI?

- L'empreinte écologique est un outil de comptabilité environnementale permettant d'identifier deux types de limites physiques auxquelles peuvent se heurter les activités humaines :
- la (re-)production de ressources
- l'absorption de déchets





La société prend des ressources (énergie, etc)
et produit des déchets.



La nature recycle les déchets en ressources



CARBON

accounts for the amount of forest land required to accommodate for the carbon Footprint, meaning to sequester CO₂ emissions, primarily from fossil fuels burning, international trade and land use practices, that are not uptake by oceans.



FOREST

represents the area of forests required to support the annual harvest of fuel wood, pulp and timber products.



CROPLAND

consists of the area required to grow all crop products required for human consumption (food and fibre), as well as to grow livestock feeds, fish meals, oil crops, and rubber.



GRAZING LAND

represents the area of grassland used, in addition to crop feeds, to raise livestock for meat, dairy, hide and wool products. It comprises all grasslands used to provide feed for animals, including cultivated pastures as well as wild grasslands and prairies.



FISHING GROUNDS

represent the area of marine and inland waters necessary to generate the annual primary production required to support catches of aquatic species (fish and seafood) and from aquaculture.



BUILT-UP LAND

represents the area of land covered by human infrastructure such as transportation, housing, industrial structures and reservoirs for hydroelectric power generation.





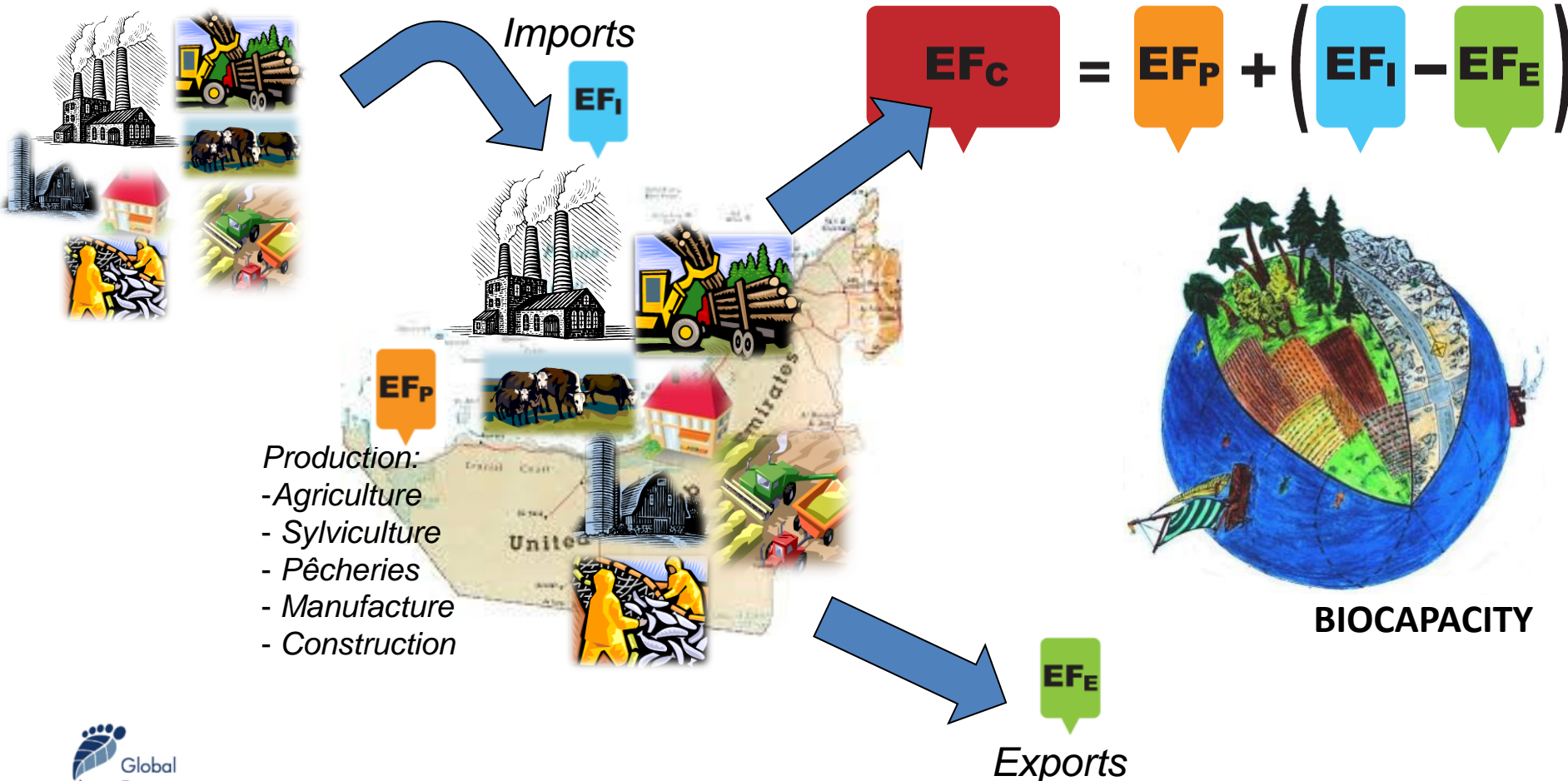
EMPREINTE ECOLOGIQUE: ETABLIR LE BILAN ECOLOGIQUE DES PAYS

Biocapacité:

De quelle surface
disposons-nous ?



Empreinte écologique:
Quelle surface
demandons-nous?



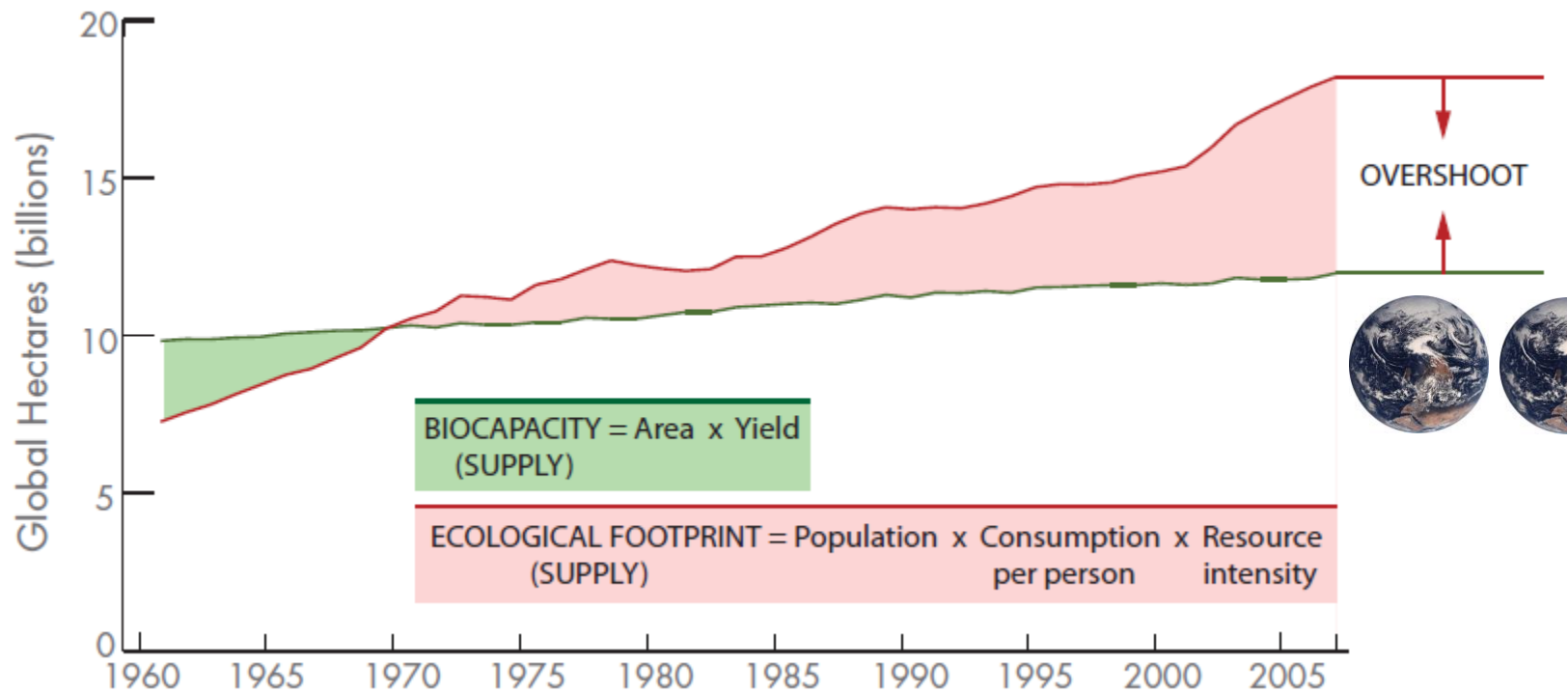
- Production:**
- Agriculture
 - Sylviculture
 - Pêcheries
 - Manufacture
 - Construction



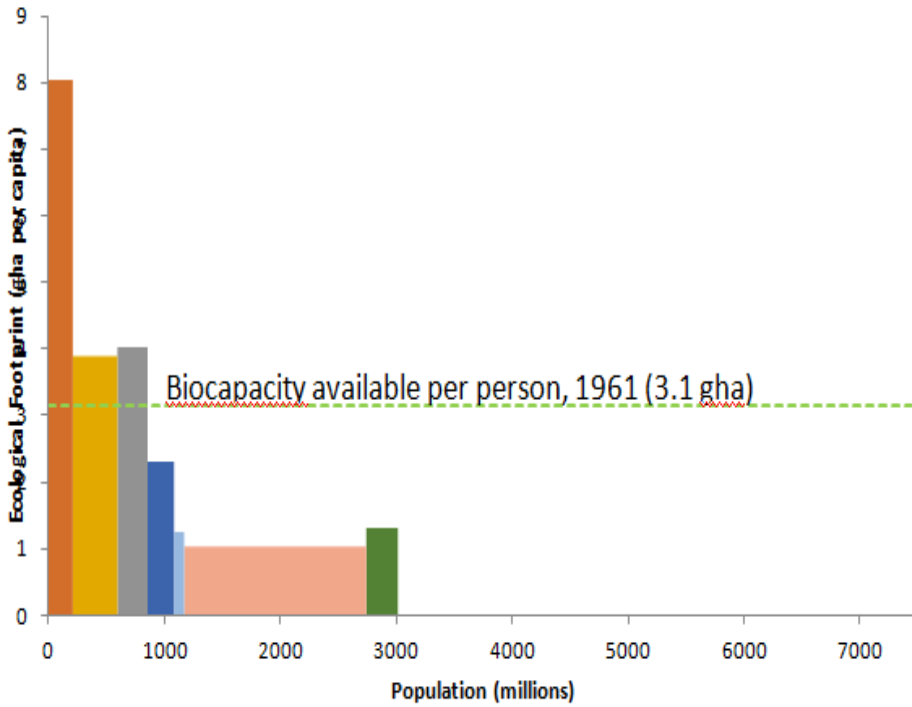
QUESTION DE RECHERCHE	Quelle quantité de biomasse globale est utilisée directement et indirectement par l'homme, i.e. son empreinte écologique, comparée à la capacité régénérative disponible, i.e. la bio-capacité, à l'échelle nationale et globale.
MESSAGE PRINCIPAL	Promouvoir la reconnaissance des limites écologiques et sauvegarder la régulation vitale des écosystèmes (stocks, productivité, biodiversité, absorption des déchets) qui maintiennent sur le long terme l'hospitalité de la biosphère pour l'espèce humaine.



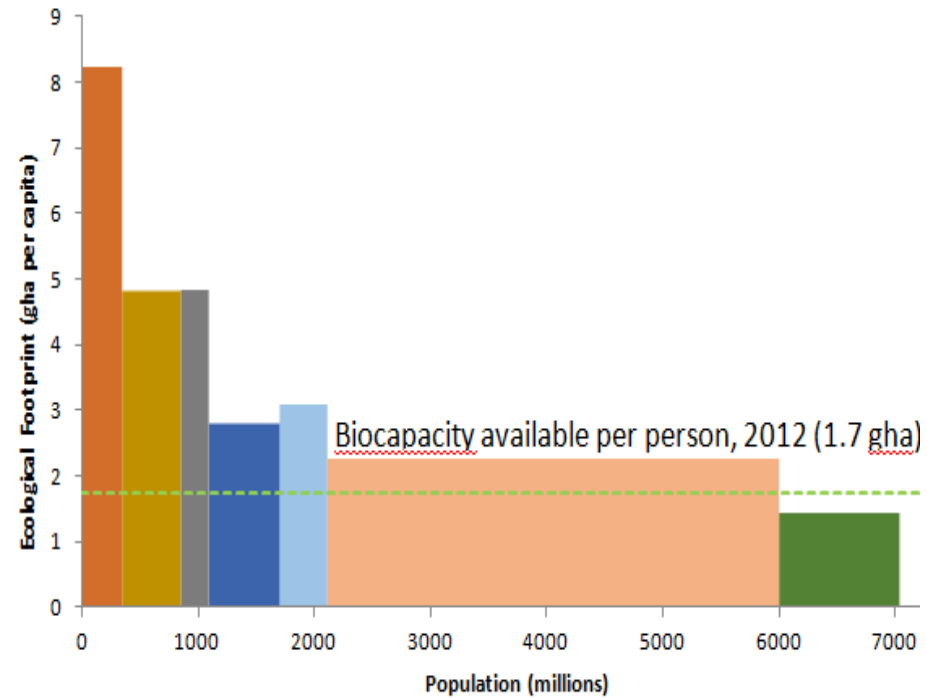
Empreinte écologique et biocapacité globales, 1961 – 2008



EF by Geographic Region 1961

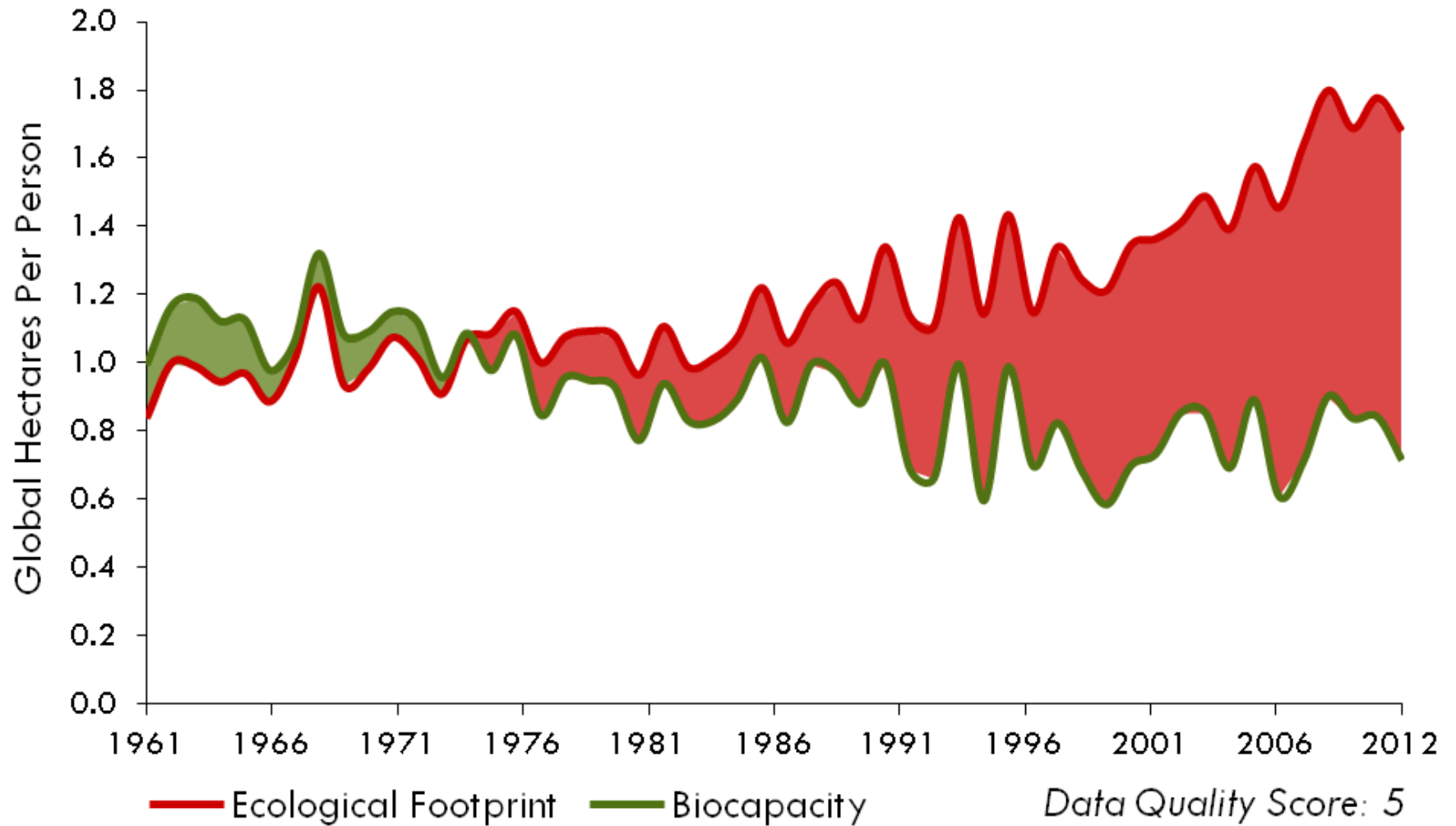


EF by Geographic Region 2012



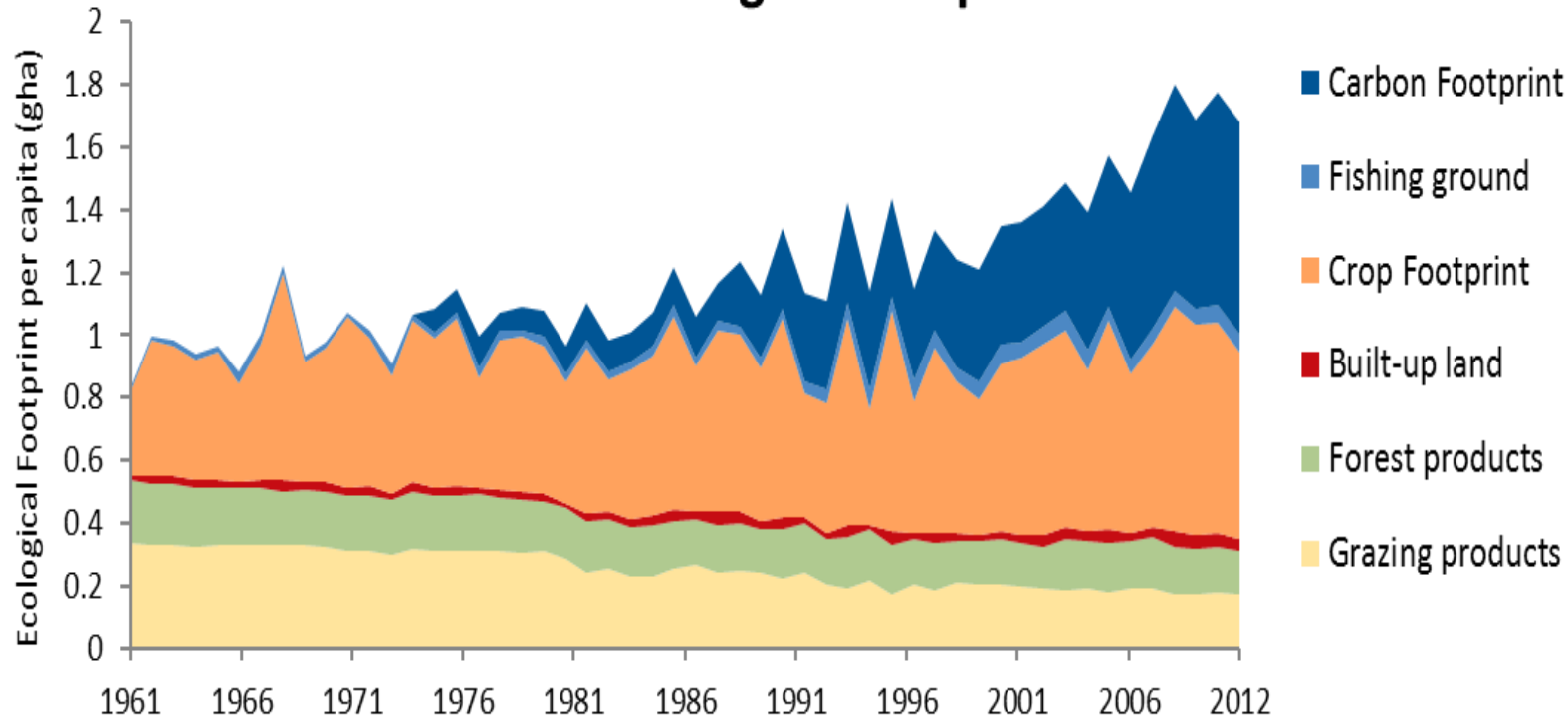
- North America
- EU
- Other Europe
- Latin America
- Middle East/Central Asia
- Asia-Pacific
- Africa

Maroc: Tendances de l'Empreinte Ecologique et de la Biocapacité de 1961 à 2012



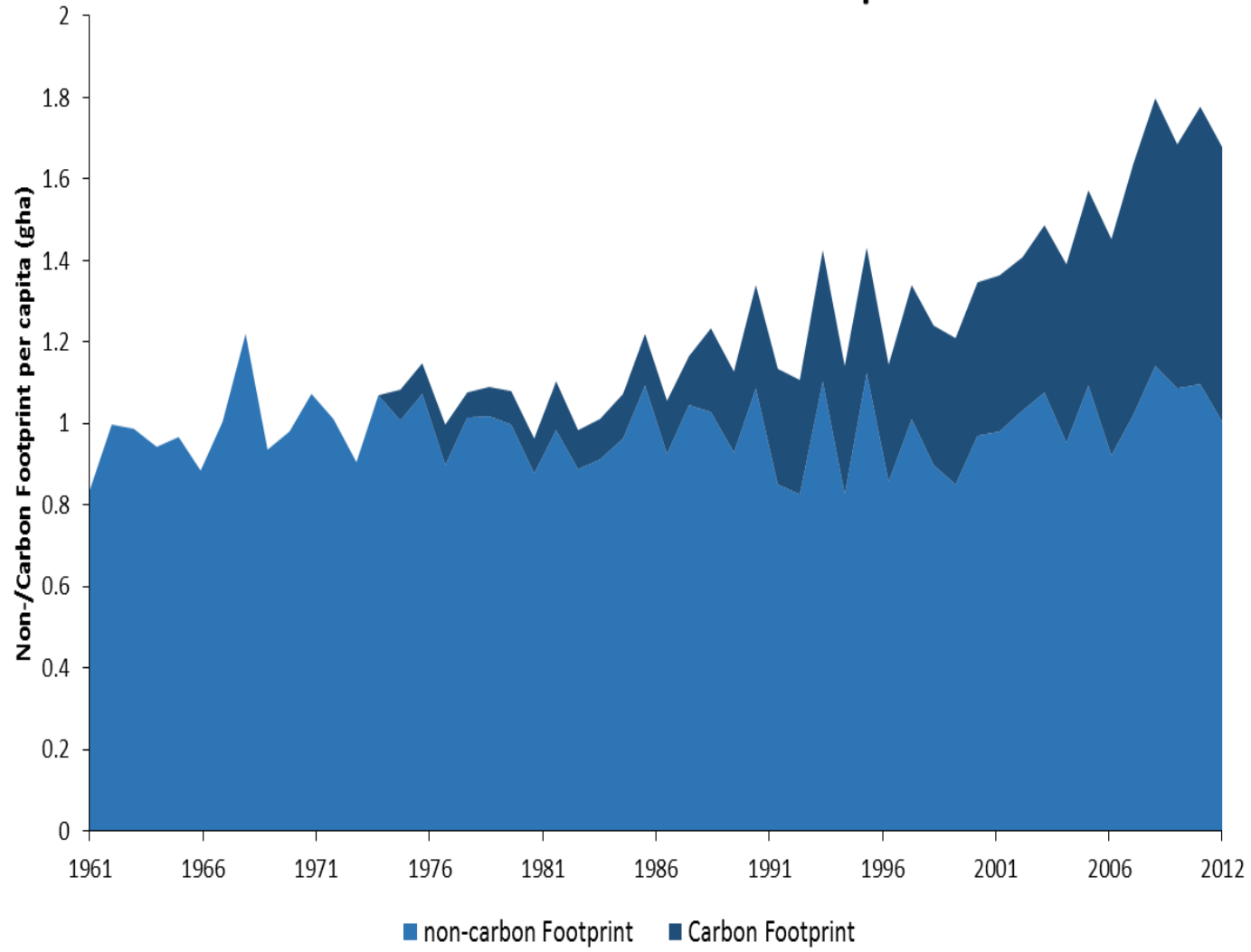
MAROC: Evolution de l'EE, y compris ses composantes de 1961 à 2012

Morocco Ecological Footprint



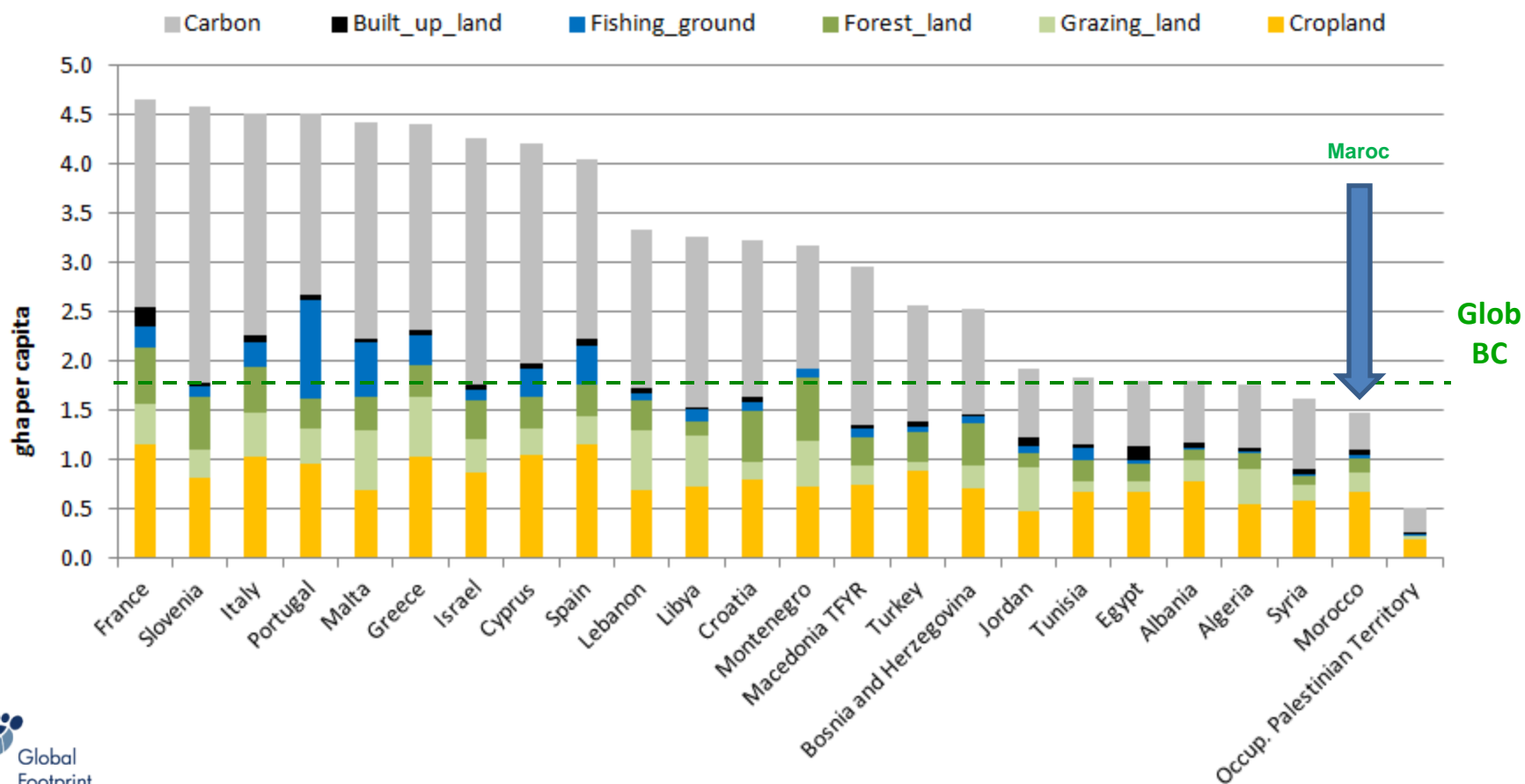
MAROC: Tendence de l'Empreinte Ecologique en contrastant la composante carbonnée et les composantes basées sur l'utilisation de la biomasse

Morocco Carbon vs. Non-Carbon Footprint





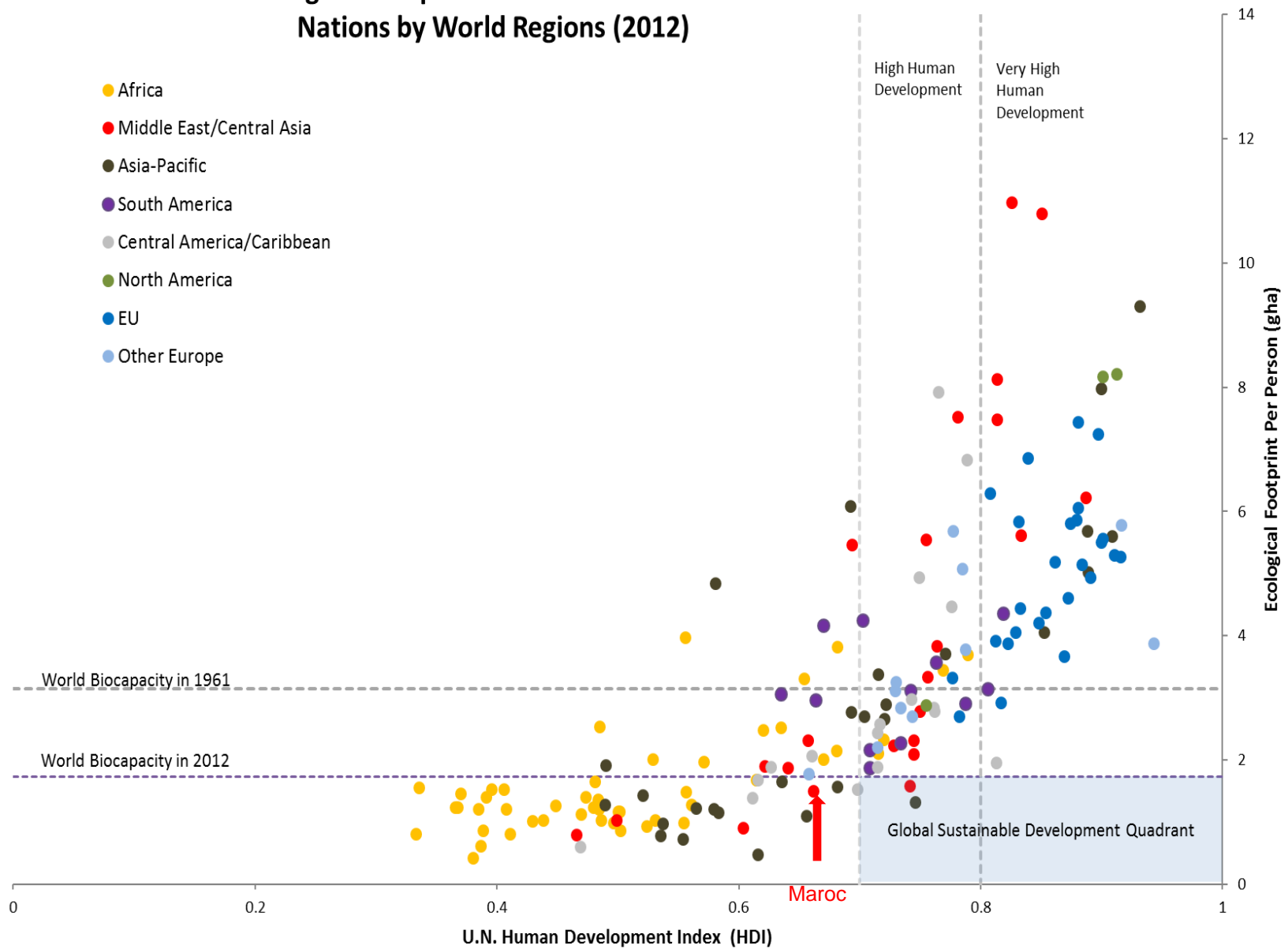
Méd: Empreinte écologique des pays riverains, par composante, 2010



EE/IDH 2012 (Tous les pays)

Ecological Footprint Per Person and HDI of Nations by World Regions (2012)

- Africa
- Middle East/Central Asia
- Asia-Pacific
- South America
- Central America/Caribbean
- North America
- EU
- Other Europe

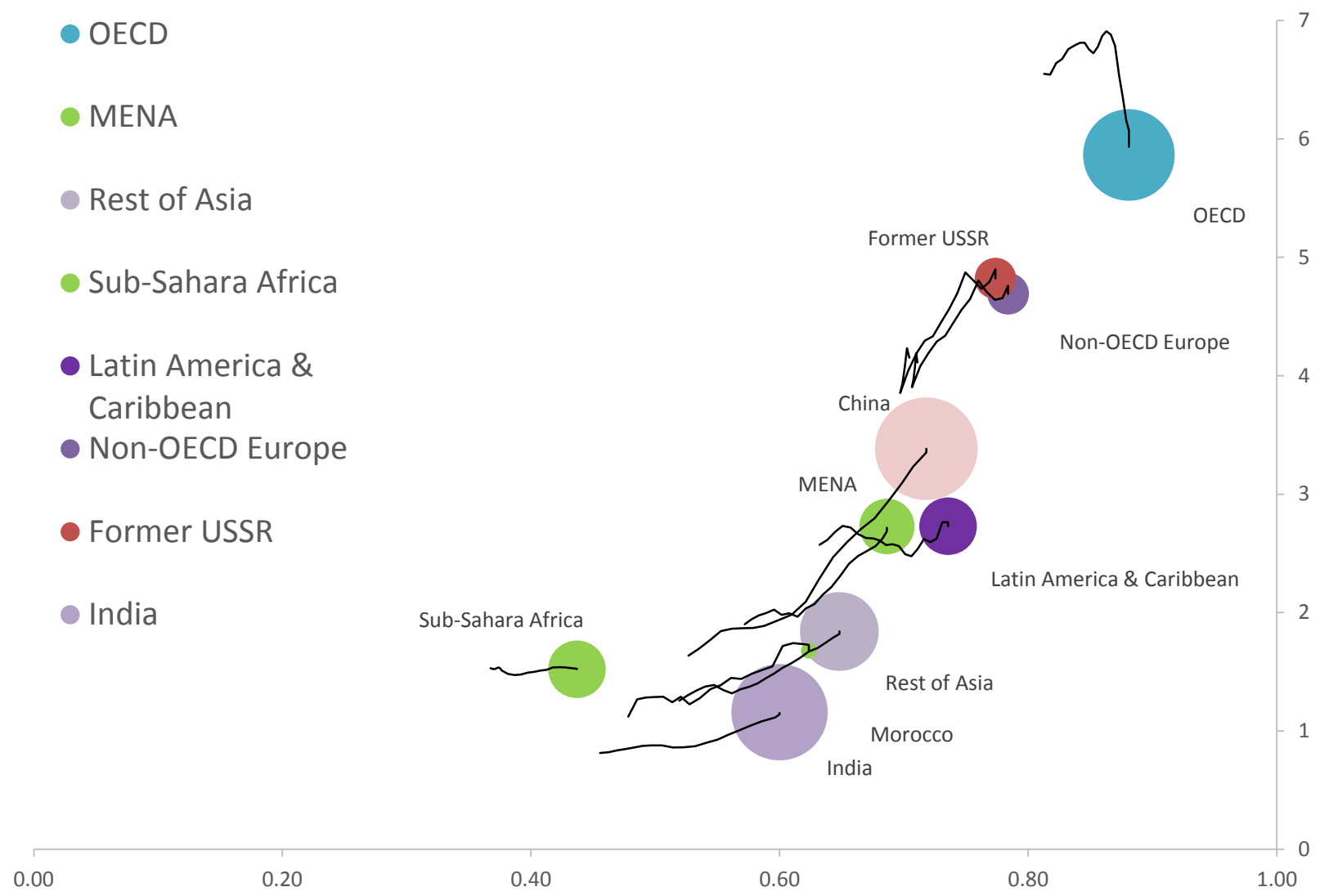


Ecological Footprint values are 2012 values from the 2016 National Footprint Accounts, Global Footprint Network
HDI 2012 values are from the 2015 Human Development Report, UNDP

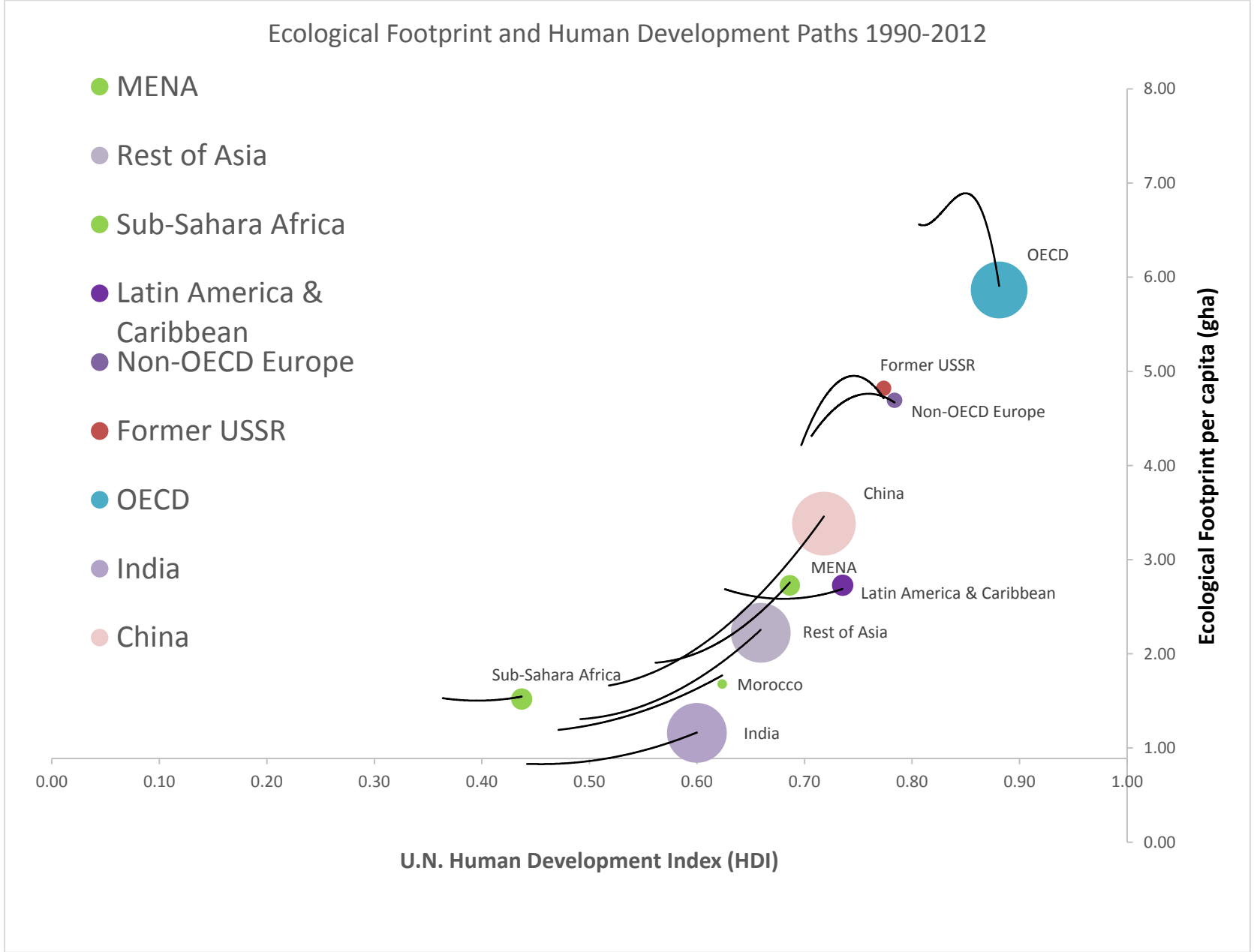


EE/IDH 2012 montrant les trajectoires des groupements de pays depuis 1990

Ecological Footprint and Human Development Paths 1990-2012



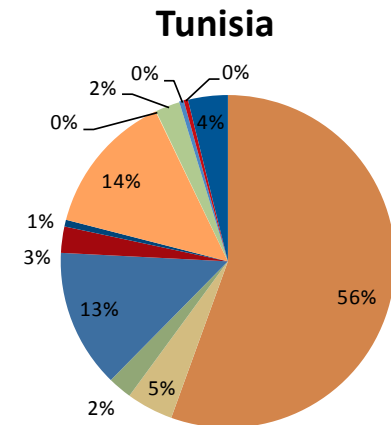
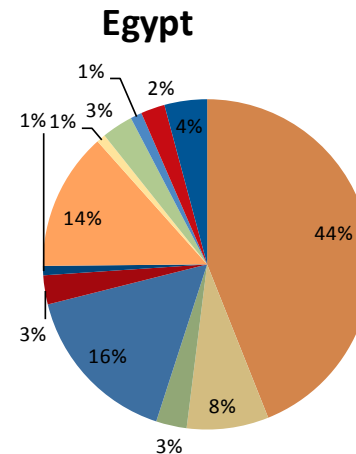
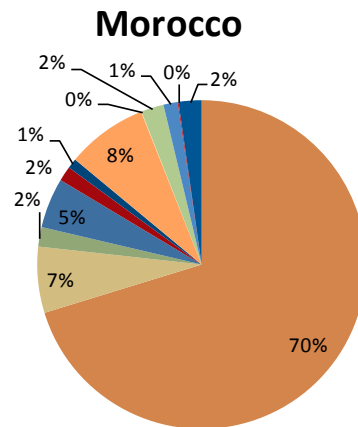
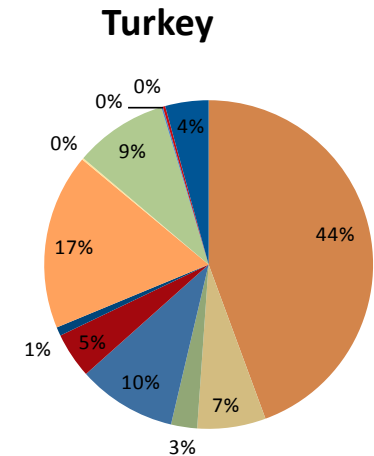
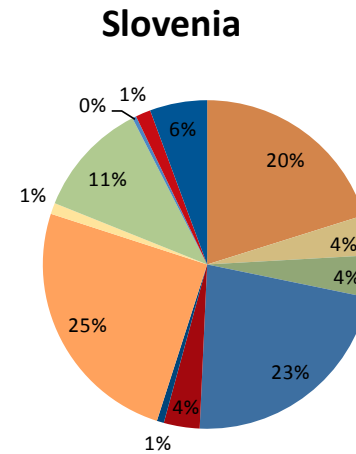
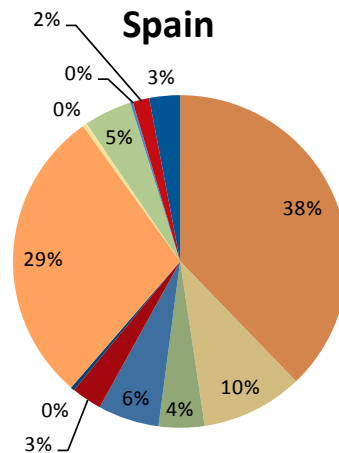
EE/IDH 2012 montrant les trajectoires des groupements de pays depuis 1992





EMPREINTE ECOLOGIQUE PAR SECTEUR DE CONSOMMATION

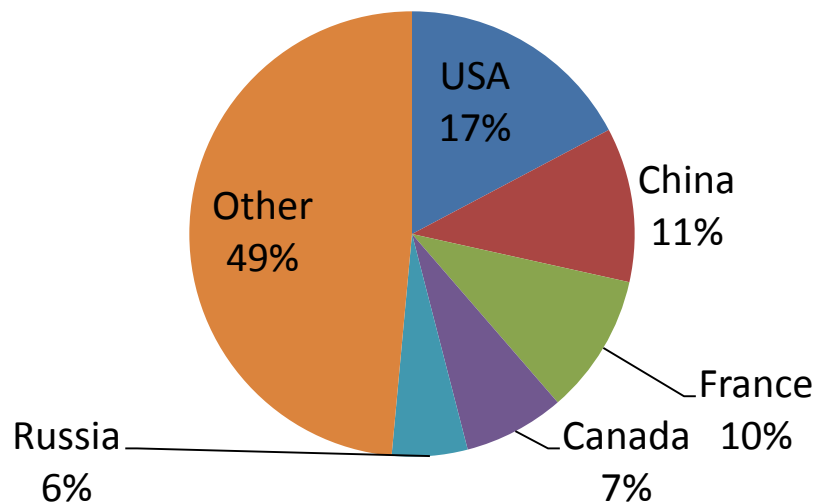
- Food and non-alcoholic beverages
- Alcoholic beverages, tobacco and narcotics
- Clothing and footwear
- Housing, water, electricity, gas and other fuels
- Furnishings, household equipment and routine household maintenance
- Health
- Transportation
- Communication
- Recreation and culture
- Education
- Restaurants and hotels
- Miscellaneous goods and services





l'Empreinte Ecologique des importations marocaines par pays d'origine

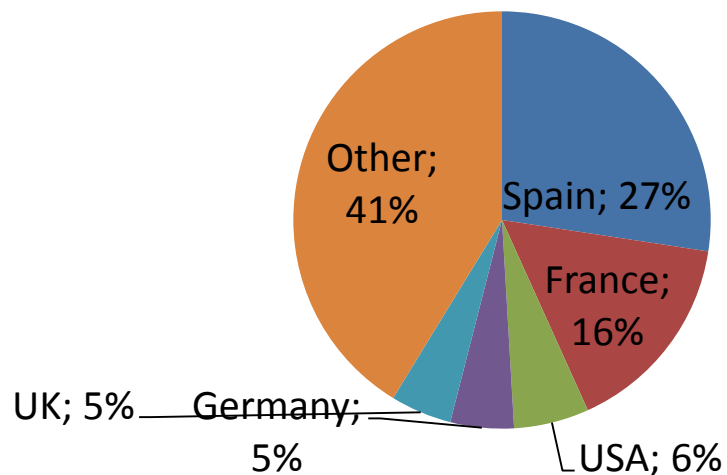
Imports [gha]	Cropland	Grazing Land	Forest Land	Fishing Grounds	Carbon	TOTAL	%
USA	2320620	46258	22190	7346	583900	3558176	17.26%
China	535201	320534	81479	127833	1928372	2312762	11.22%
France	1311078	29586	105828	11919	212476	2097751	10.17%
Canada	1054022	6075	13955	1497	99174	1510388	7.33%
Russia	343520	427	72487	20873	930688	1131778	5.49%
Other	3136654	585955	1783306	489134	4436481	10008015	48.54%





Empreinte écologique des exportations marocaines par destination

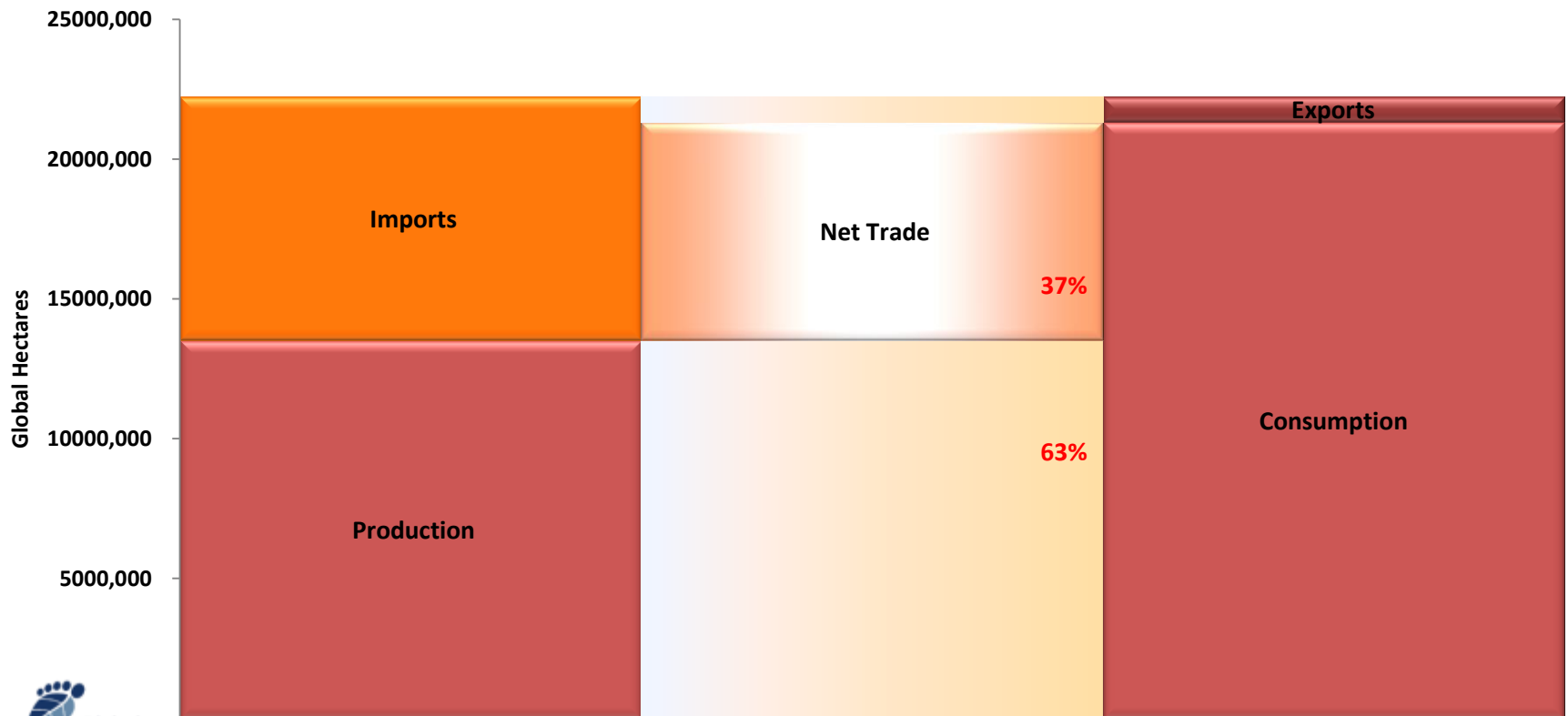
Exports [gha]	Cropland	Grazing Land	Forest Land	Fishing Grounds	Carbon	TOTAL	%
Spain	221974	11818	66133	1313544	1031314	3117046	27%
France	216167	11589	56126	43041	1025389	1801840	16%
USA	34741	7315	38930	24486	831015	662499	6%
Germany	52129	5454	22975	24121	443190	559335	5%
UK	44355	5946	26321	17934	485947	539117	5%
Other	332325	38090	216908	683808	4039815	4693063	41%





L'EMPREINTE ECOLOGIQUE DES TERRES CULTIVABLES en 2010

Volumes de ressources





Merci/ شكرا جزيلاً / Tanmirt

For more information please visit:

<http://www.footprintnetwork.org/med>

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