



MINISTRY OF
AGRICULTURE

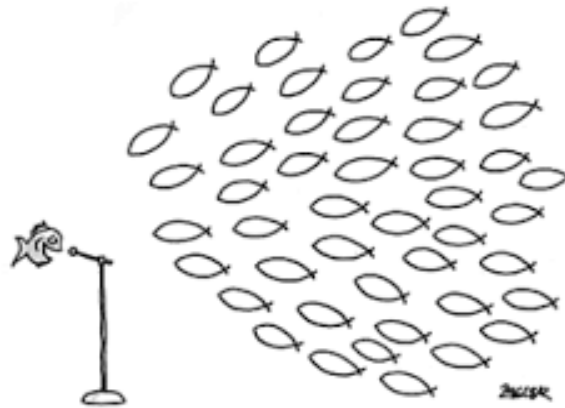
Moving towards a resource efficient circular economy – Hungarian examples –

Katalin PAPP

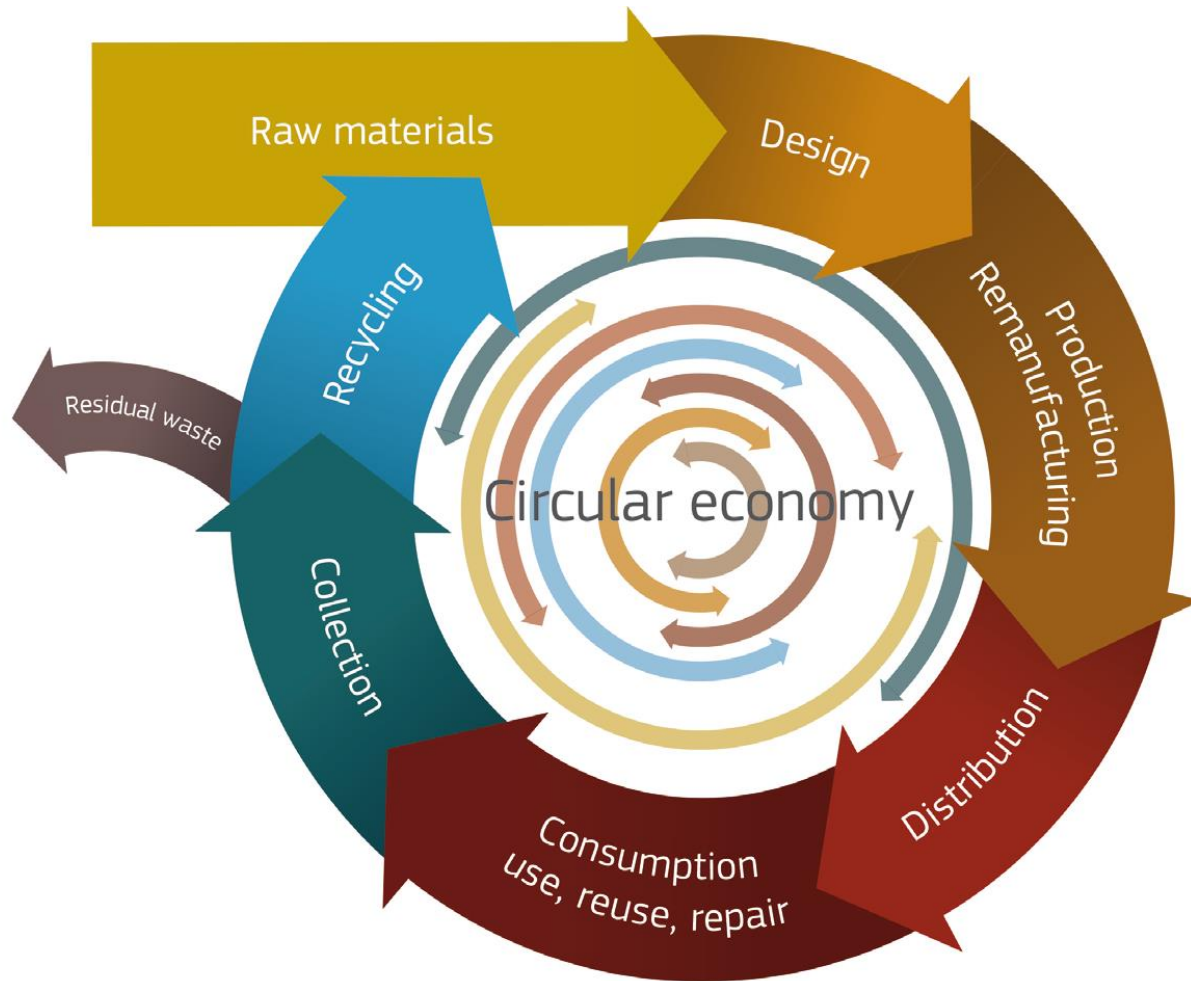
Department of Environmental Development
Environmental Technologies Unit

Starting point

I will share my thoughts based on my own experience working on the field of environment protection for 10 years (consequently it will not certainly reflect the position of the Ministry).

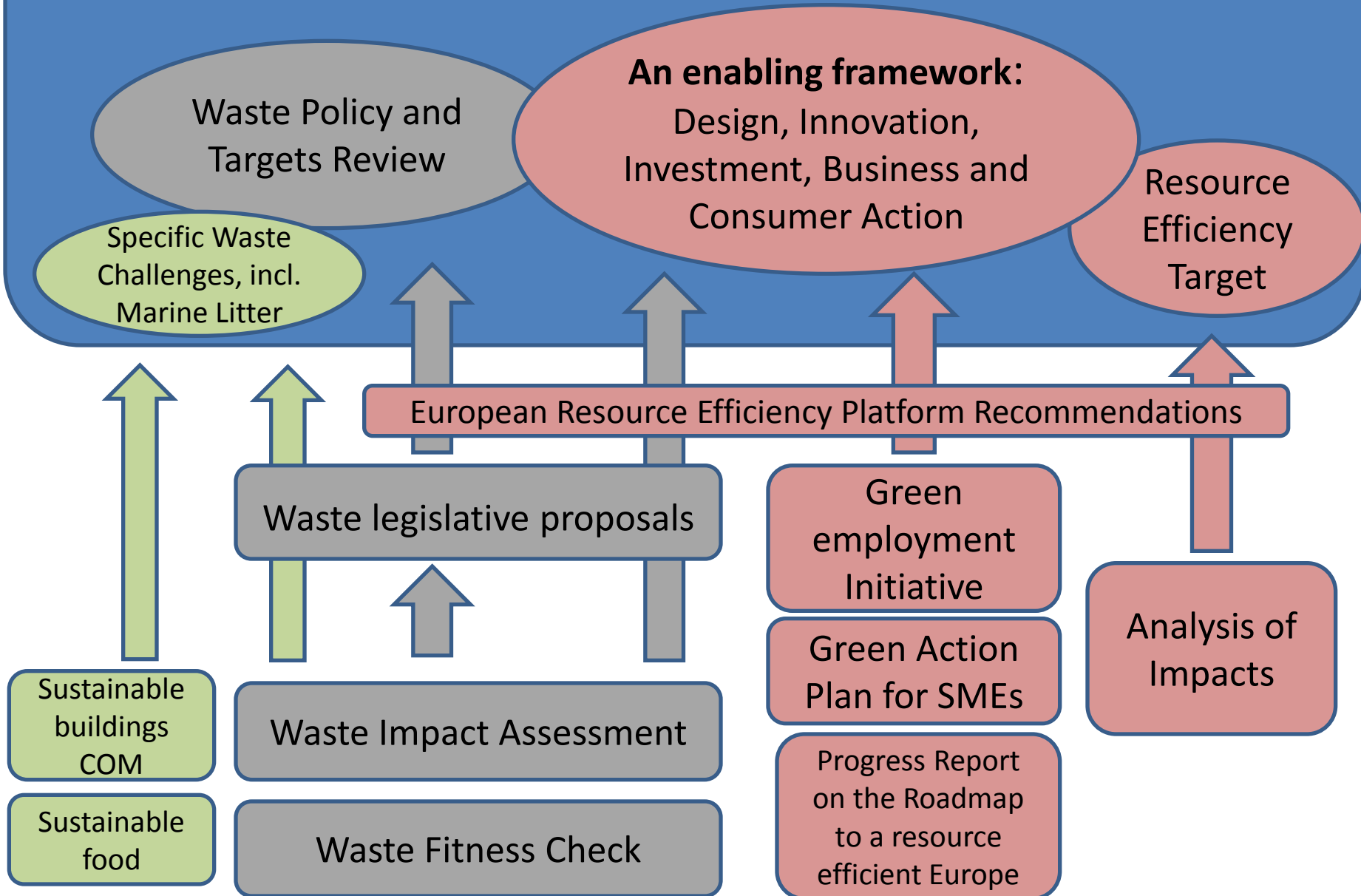


Issue to be addressed

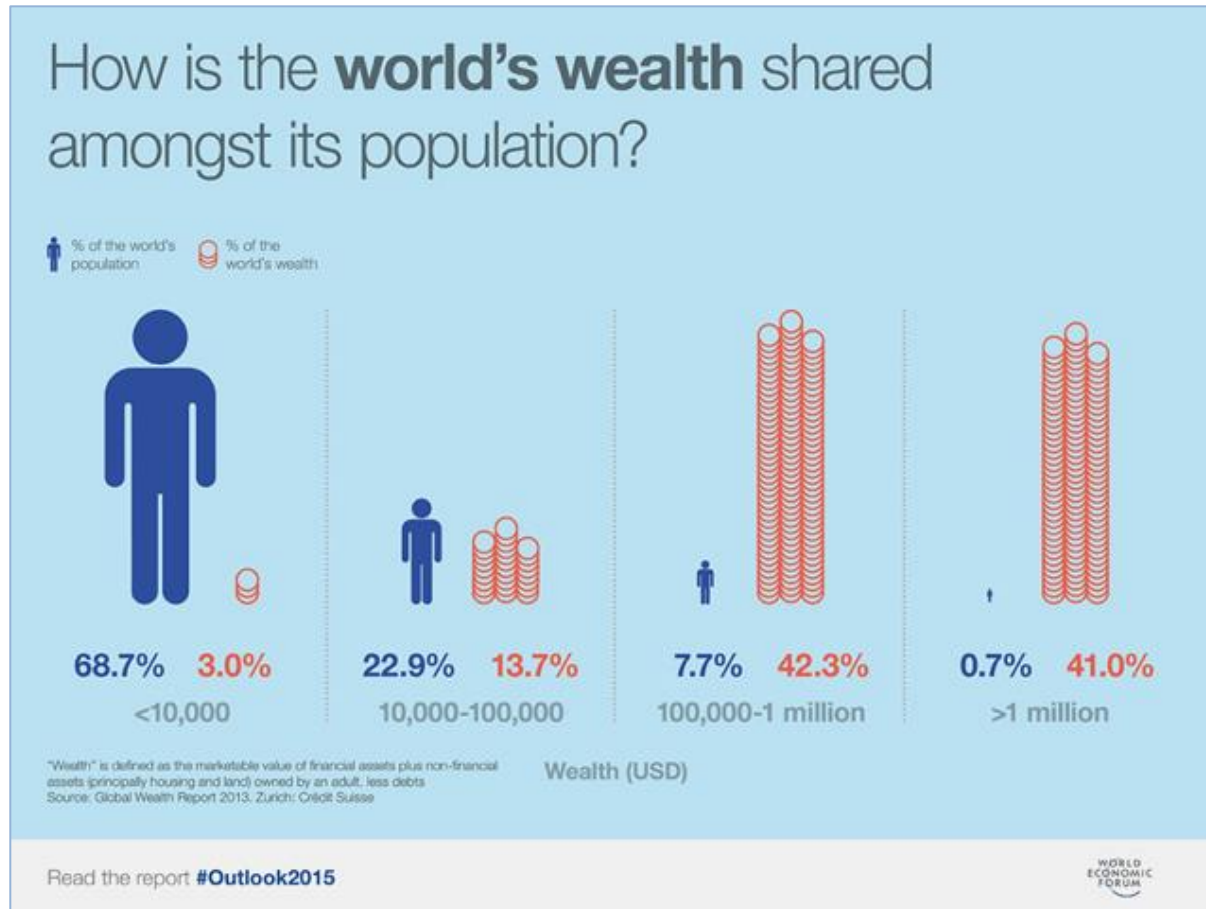


Source: DG Environment (Carina Vopel's presentation)

Circular Economy Communication



„Surrealistic reality”: Global wealth distribution



Source: World Economic Forum (Outlook 2015)

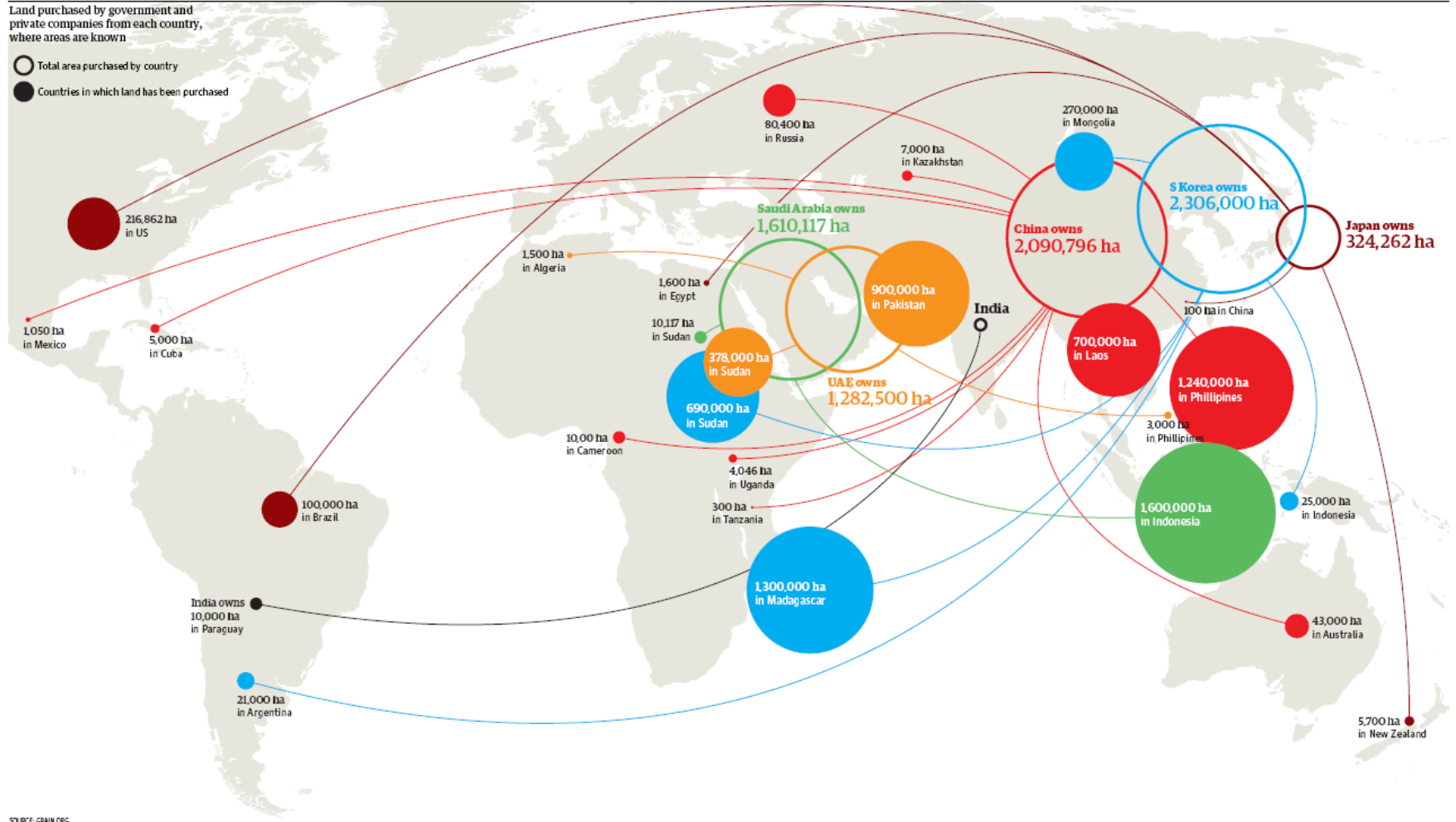
“It is not the man who has too little, but the man who craves more, that is poor. ”

„Surrealistic reality”: Land grabbing

World land grab

Land purchased by government and private companies from each country, where areas are known

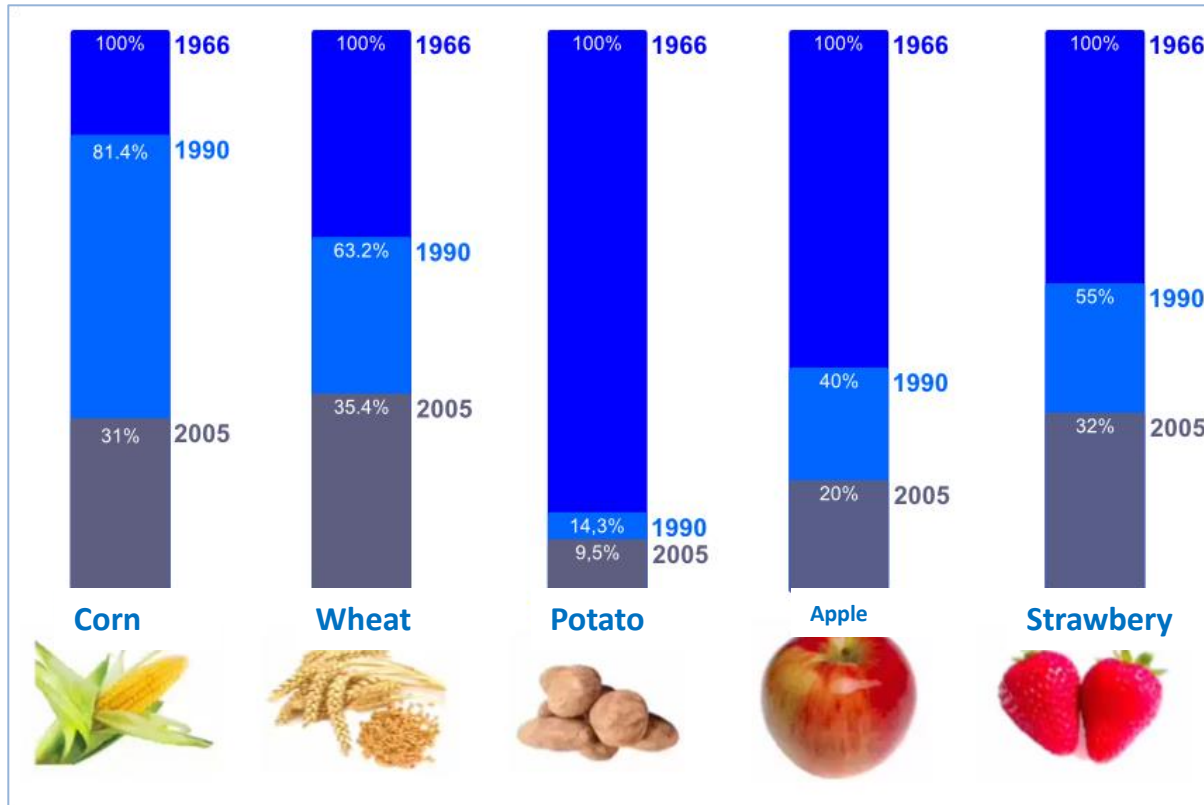
- Total area purchased by country
- Countries in which land has been purchased



SOURCE: GRAIN.ORG

Source: <http://agro.biodiver.se/wp-content/uploads/2008/11/map21.png>

Realistic surreality: Decrease of nutrient content diminishing of mineral and vitamine content of plants between 1966-2005 (1966 = 100%)



Based on measurements made by Dr. Géza Márai , Szent István University, Gödöllő.

Source: <http://fittklub.com/valojoban-miert-hizol/>

Realistic surreality: the lamp that continuously provides light
for 30 years....



...in my home

Closing the loop of WATER



Hungarian (borned) solutions – aside from the mainstream –

WaterAutarky

autonomous (economic self-sufficient) water systems for homes

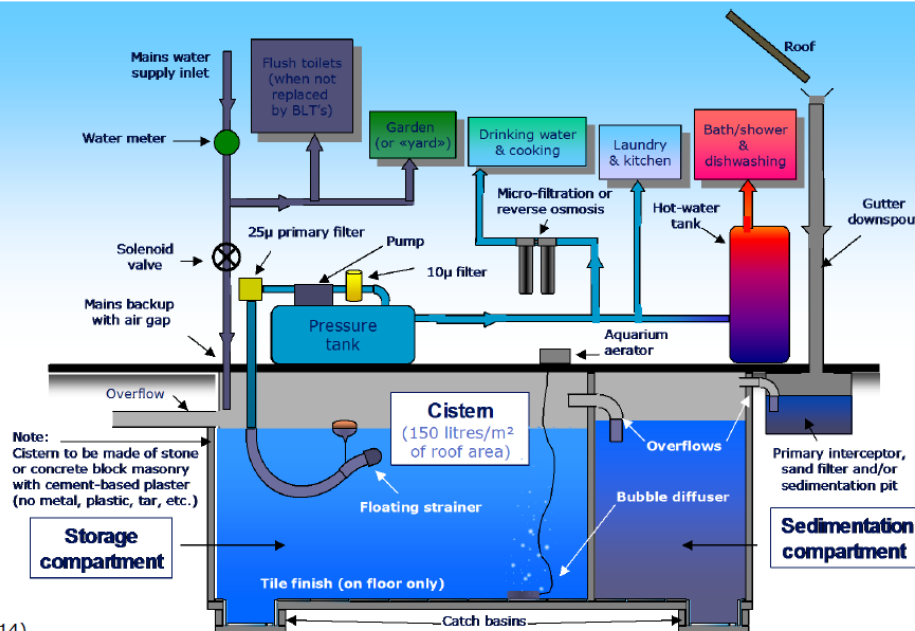
by Mr. József Országh



www.eautarcie.org

PLUVALOR

Rainwater Harvesting System for Whole House Reuse



(2010-05-14)

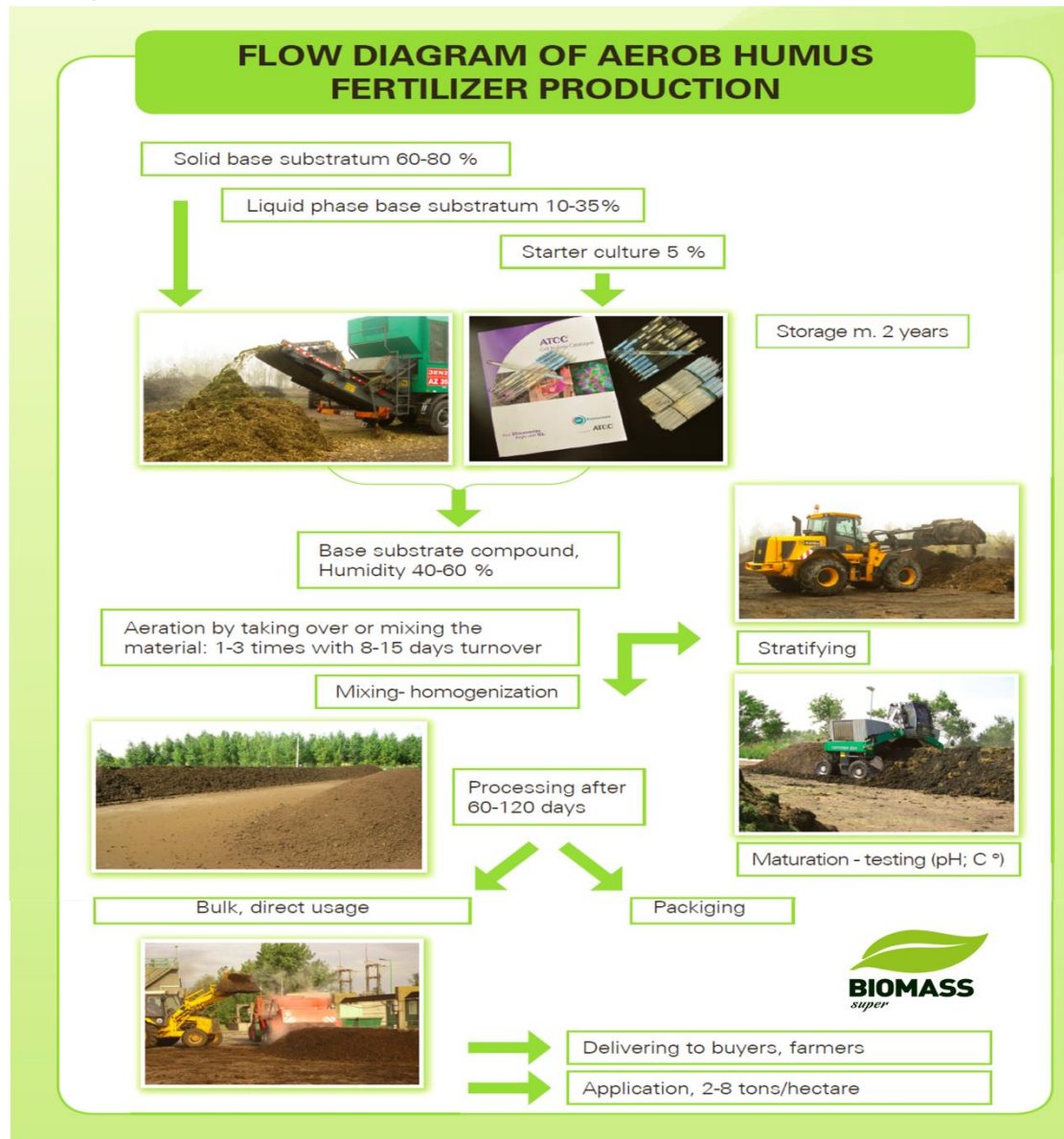
Closing the loop of SOIL(humus)



Source: <http://biocycle.atmos.colostate.edu/shiny/soils/soil.jpg>

Hungarian solutions – aside from mainstream

Micro-biological treatment, utilisation of controlled composting

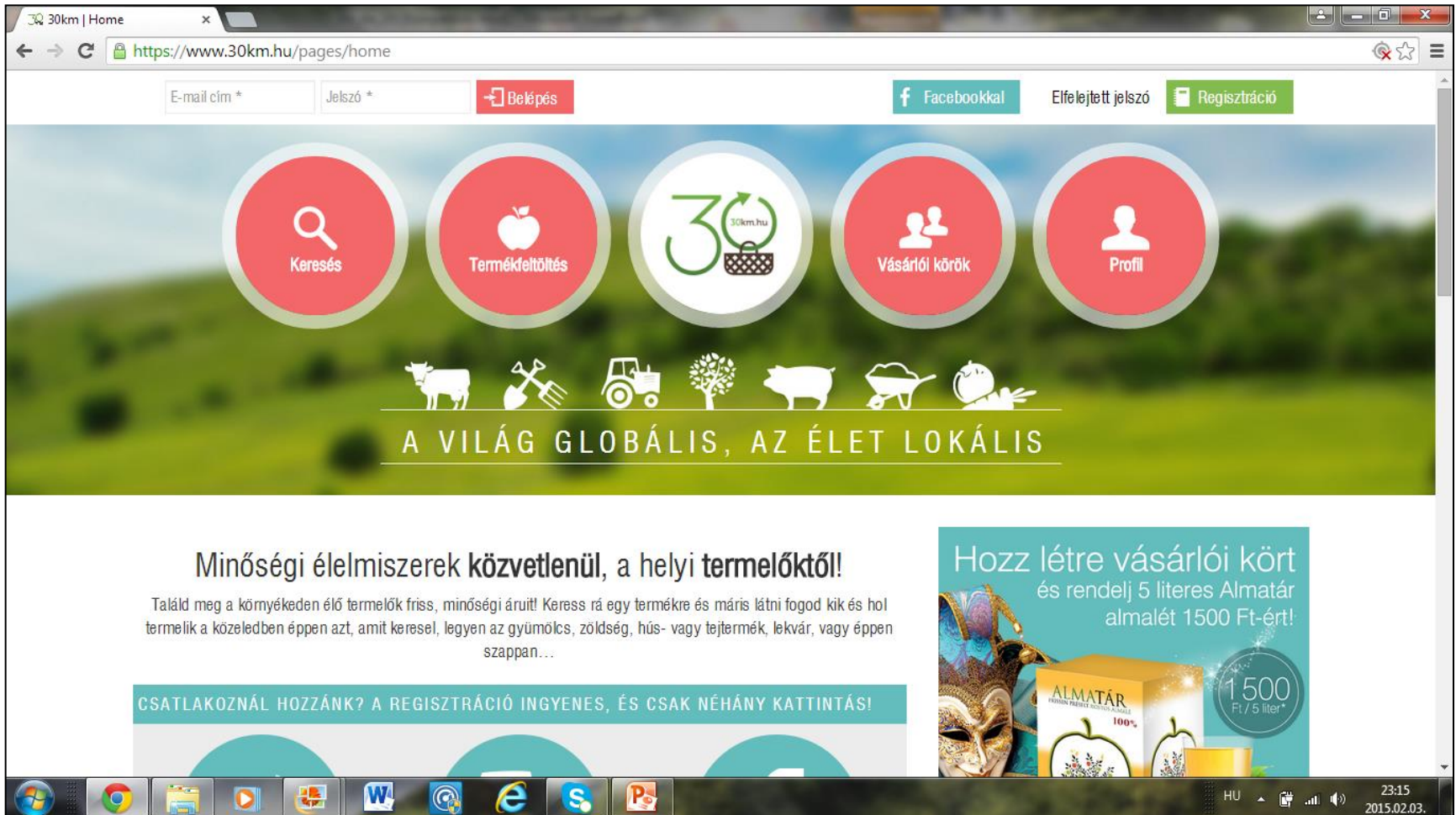


Closing the loop of MARKET



Hungarian solutions – aside from mainstream Bottom-up „self-organization”

„30km.hu” website and „30km” mobile application



The screenshot shows the home page of the 30km.hu website. The browser address bar displays <https://www.30km.hu/pages/home>. The page features a navigation bar with a search input field, a login field labeled "Belépés", and buttons for "Facebookkal", "Elfelejtett jelszó", and "Regisztráció". Below the navigation bar are five large red circular icons: "Keresés" (Search), "Terméktöltés" (Product loading), the 30km.hu logo, "Vásárlói körök" (Buyer groups), and "Profil" (Profile). A horizontal row of white icons represents various agricultural products: a cow, a pitchfork, a tractor, a tree, a pig, a wheelbarrow, and a tomato. Below these icons is the slogan "A VILÁG GLOBÁLIS, AZ ÉLET LOKÁLIS". The main content area includes a section titled "Minőségi élelmiszerek közvetlenül, a helyi termelőktől!" (Quality food products directly from local producers!) with a subtext: "Találd meg a környékeden élő termelők friss, minőségi áruit! Keres rá egy termékre és máris látni fogod kik és hol termelik a közelvedben éppen azt, amit keresel, legyen az gyümölcs, zöldség, hús- vagy tejtermék, lekvár, vagy éppen szappan..." (Find the fresh, quality goods of the producers living in your neighborhood! Search for a product and you will immediately see who and where they produce exactly what you are looking for, whether it is fruit, vegetables, meat or dairy products, jam, or even soap...). Below this is a teal banner that reads "CSATLAKOZNÁL HOZZÁNK? A REGISZTRÁCIÓ INGYENES, ÉS CSAK NÉHÁNY KATTINTÁS!" (Want to join us? Registration is free and only takes a few clicks!). To the right is a promotional banner for "ALMATÁR" (Apple) featuring a masquerade mask and a box of "ALMATÁR 100% FRÜHÖS FÉNYELŐ HOSYÉLY KAGYALÓ" (Apple) for 1500 Ft / 5 liter*.

Human beings: rational and/or irrational?

Aristotle held the belief that man is a rational animal. A growing body of research suggests otherwise.

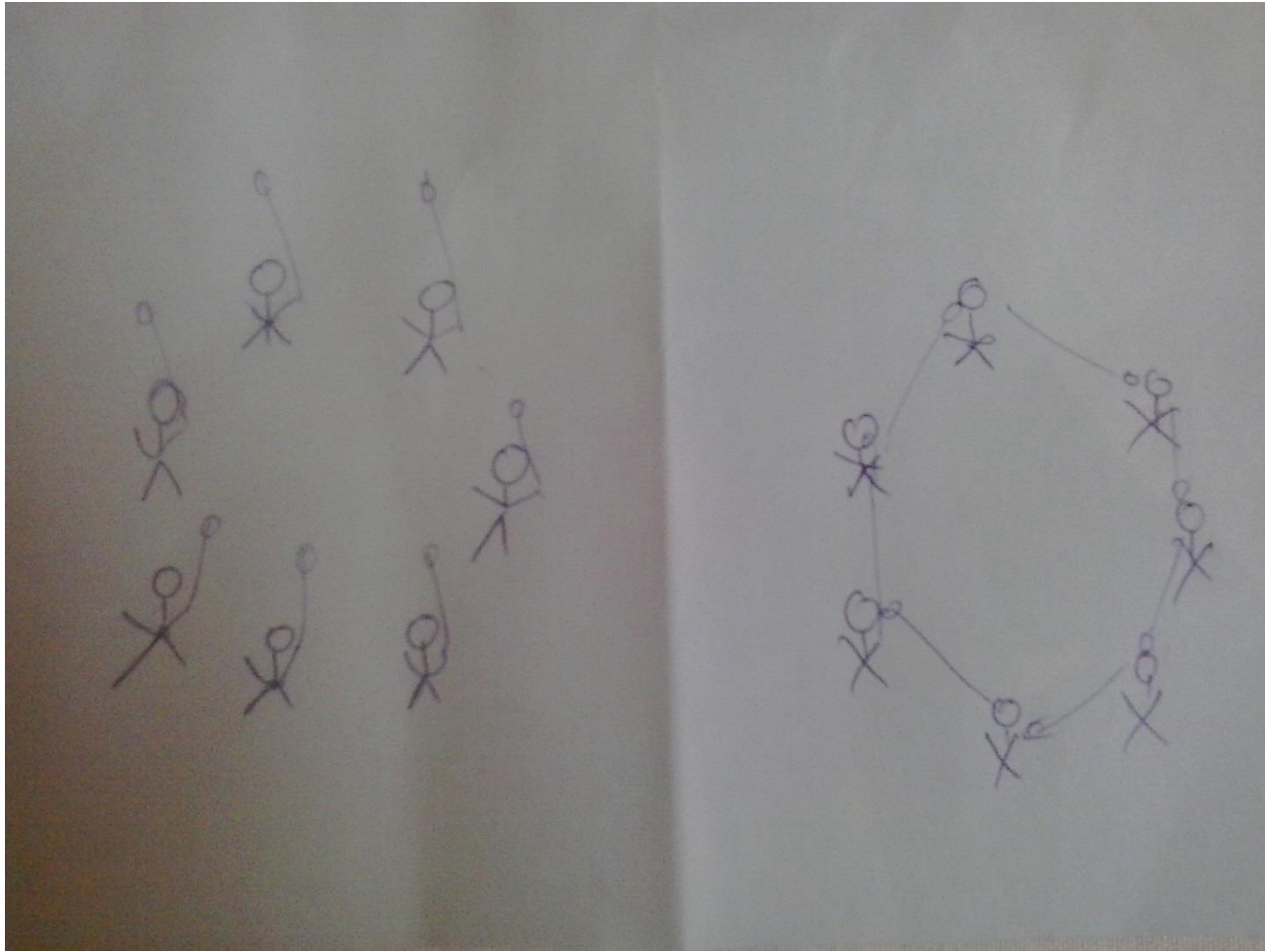
Characteristics of rational thought:

- Adaptive behavioral acts
- Judicious decision-making
- Efficient behavioral regulation
- Realistic goal prioritization
- Proper belief formation
- Reflectivity (taken from Stanovich, 2009)

Examples of human's irrationalities:

- The fact that people smoke although they know that it is not healthy
- The way we associate intelligence to qualification, nationality, color.
- The 1st and 2nd world war

Why and how closing the loops?



How to close the loops...

As Eistein said:

„We can't solve problems by using the same kind of thinking we used when we created them.“

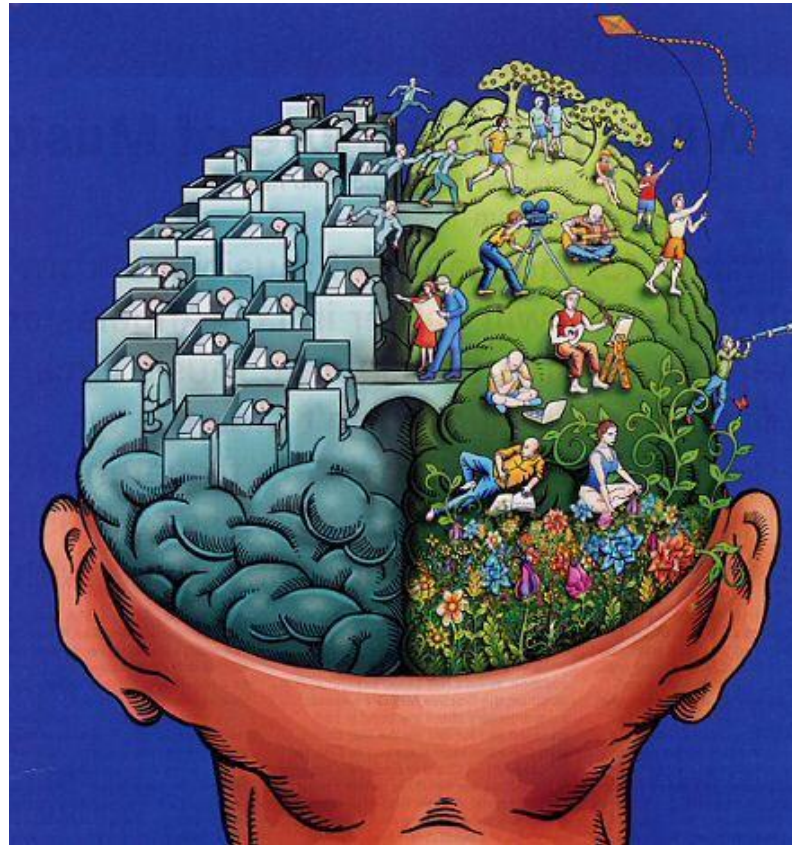


"The release of atom power has changed everything except our way of thinking...the solution to this problem lies in the **heart of mankind.**"

Let's close the loops...and move towards circular economy

"Not everything that counts can be counted, and not everything that can be counted counts."

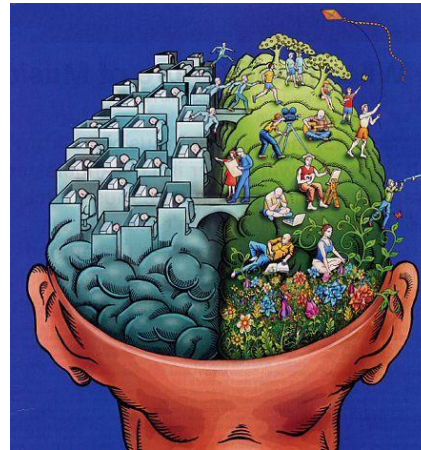
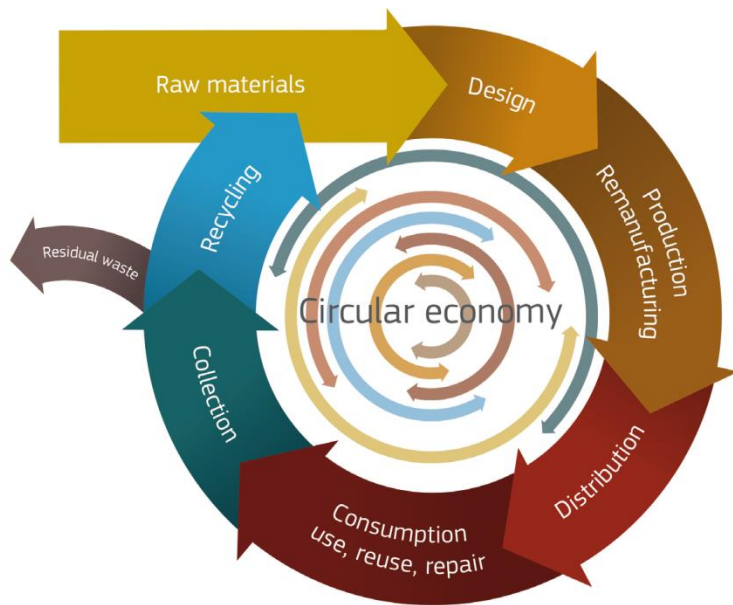
GDP	fairness
resource efficiency	reciprocity
money (\$)	responsibility
economic growth	sustainability



Source: http://4.bp.blogspot.com/-MoBMaxl4tho/UbmqOYI7M-I/AAAAAAAAABwk/9nCHSX_uCEg/s1600/ration-irration+01.jpg

Let's close the loops...and move towards circular economy

Keep in mind:
„What you believe exists.”



It is not always possible to do everything that is needed
but everything should always be done that is possible.