

SMALL IS
BEAUTIFULL





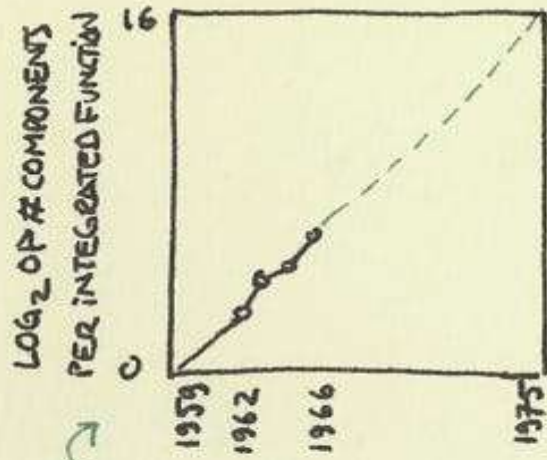


Gordon Moore

1929-2023

sketchplanations.com

MOORE'S LAW



GORDON MOORE'S ORIGINAL DATA

TRANSLATION
THE SPEED OF
COMPUTER CHIPS
LOOKS LIKE IT
WILL DOUBLE
EACH YEAR
— LATER REVISED
TO EVERY 2 YEARS

Number of transistors per Silicon Chip

| | |
|-------|---|
| 1960 | 1 |
| 1970 | 100 |
| 1980 | 100.000 |
| 1990 | 1.000.000 |
| 2000 | 100.000.000 |
| 2010 | 1.000.000.000 |
| 2020 | 100.000.000.000 |
| | More than MOORE's Law ! 3D vs 2D |



Assessment of world water situation

2 billions people on earth

lack access to drinkable water

2500 children die each day

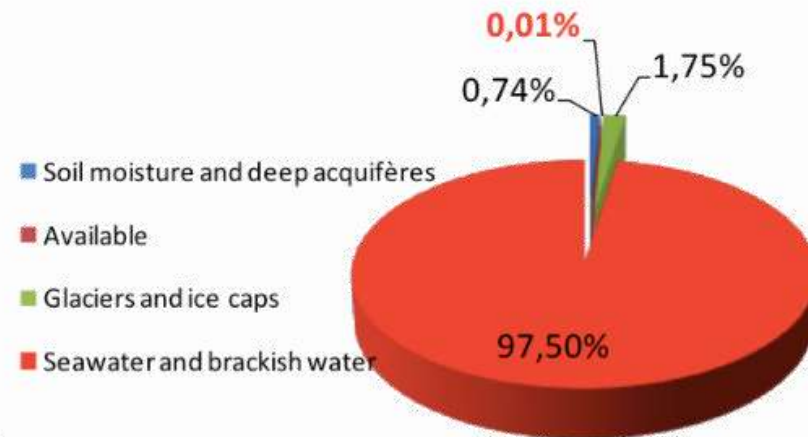
due to water consumption parasitized

Diseases directly related to water quality

such as cholera, Dracunculiasis affect hundreds of thousands of people each year.

Miserable daily amounts of collected drinking water

has become the main source of activity for women in many countries



Distribution of water resources on Earth



Lou 
Cazaü d'Eden



WE NEED YOU!

Marché concurrentiel : les méga usines à énergie fossile ne sont plus la seule solution !





- Watenergy = solutions for drinking water treatment & desalination
- Up to 15,000L a day fresh drinking water
- Reuse & recycling of brackish water/residue



CONCEPT DU TOUT-EN-UN

ÉNERGIES

- SOLAIRE
- ÉOLIEN
- BIOMASSE
- RECYCLAGE

SUPPORTS TECHNIQUES

- TÉLÉMAINTENANCE
- LOGISTIQUE
- TÉLÉGESTION



EAU POTABLE

- EAU AGRICOLE
- RECYCLAGE

SÉCURITÉ

- SURVEILLANCE
- ÉCLAIRAGE

CONNECTIVITÉ NUMÉRIQUE

- GSM
- WIFI
- SATELLITE
- MOOC'S
- ÉDUCATION

EAU

ÉNERGIE

AUTONOMIE
ALIMENTAIRE

PRODUITS ALIMENTAIRES

- VÉGÉTAUX
- FRUITS
- ALGUES
- ÉLEVAGE
- PISCICULTURE
- APICULTURE



SERRES NUMÉRIQUES

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« Lou Cazaü d'Eden » EVALUATION

European agriculture State of Play

- During the last 20 years, 4 million small farmers disappeared in the UE.
- Just as the dominant agro-industry kills bees and other pollinators, it disseminates as well family farmers ...
- Cows no longer graze on open fields, they are raised in huge stable and are fed with grown cereales.
- Same situation goes for millions of poultrys.
- This intensive « Food Industry » doesn't feed people anymore, but cattle or produce « biocarburants » ...
- It confiscates rare water, controls and modifies the planting seeds.
- They modify the landscape, destroy the soils with pesticides and other chemicals, killing micro-organisms, bugs and birds.
- Most of the food consumed in the UE is imported.

Lou « Cazaü d'Eden » MISSION : think Big but act Small.

- To adapt Digital Agriculture new technologies to the Family Farmers environment.
- If we don't do it NOW, small farmers will be abandoned for ever on the side of the road !
- EDUCATION is the key factor to help them surviving.
- Precisely it is what Professor Serge MIRANDA at ESTIA is developing.
- You, dear colleagues and partners, as experts in Digital Agriculture must contribute. We need your technologies : sensors, IoT's, drones, robots, communications (LORA, Oneweb), Satellite imaging, etc and even to have access to plants' music !
- We will have also the charter to help family farmers to grow higher value added plants, to transform their productions if needed, and to go to the market.
- We will help farmers installing « Agrivoltaic structures » in a compelling, seamless, but fruitful maner.
- We will also help them in providing them thousands of « evangelists » directly on their farms.
- Return to traditional agriculture is a must for small farmers by not using highly capital intensive enormous tractors and machines.
- We will promote the concept of 1000 schools with 10 students scatered all over the places, in the wotld, versus a single University with 10.000 students !

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ESKER



