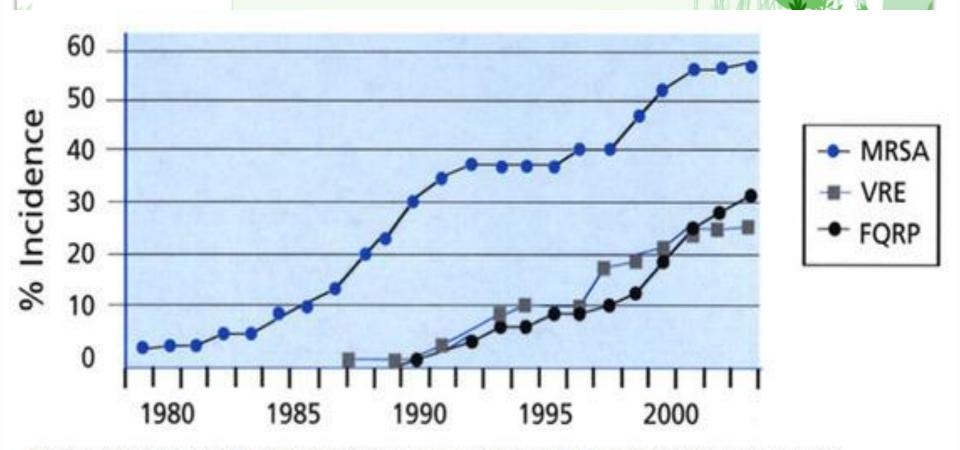
Bio-Strike

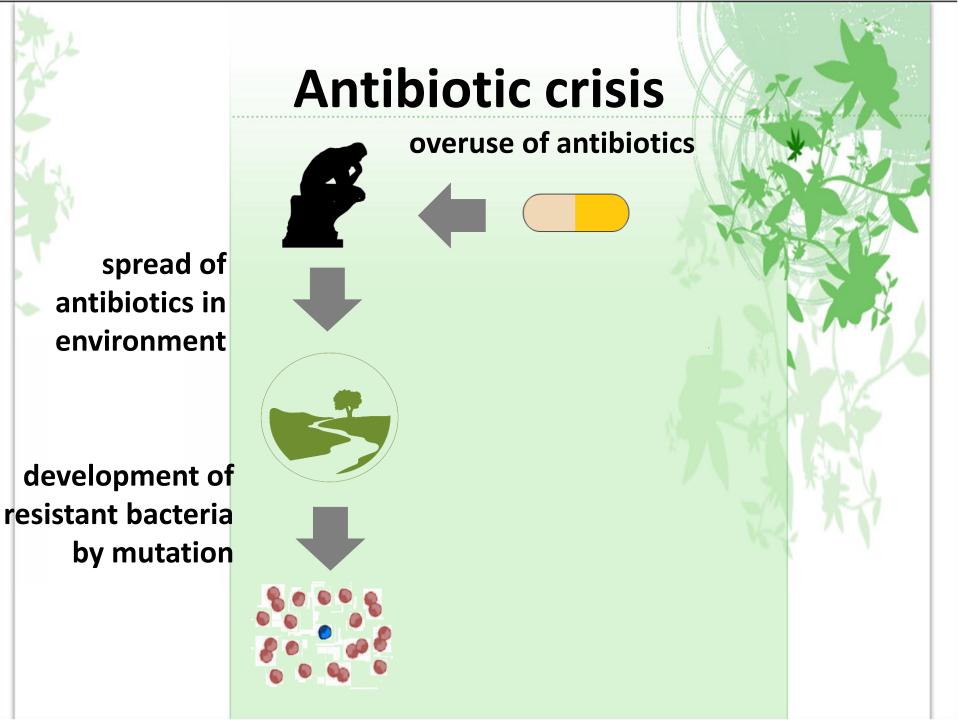


Tragedy of the Commons: Antibiotics crisis



MRSA = methicillin-resistant Staphylococcus aureus; VRE = Vancomycin-resistant enteroccoci FQRP = Fluoroquinolone-resistant Pseudomonas aeruginosa

Souce: center for disease control



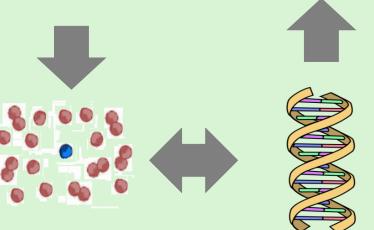
Antibiotic crisis

overuse of antibiotics

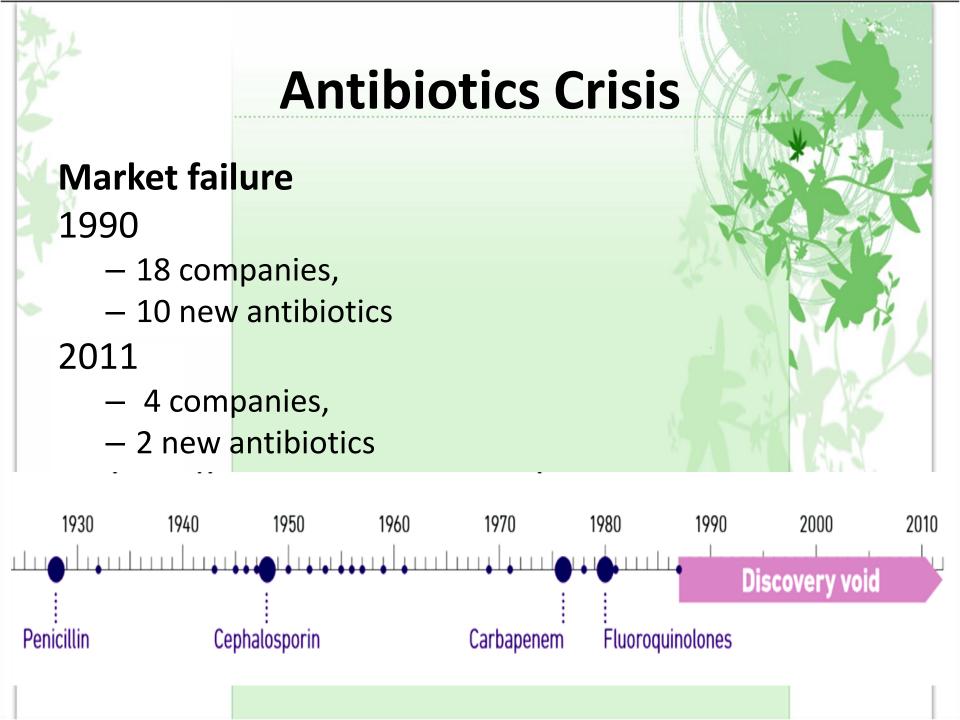
spread of antibiotics in environment

resistance genes render antibiotics useless

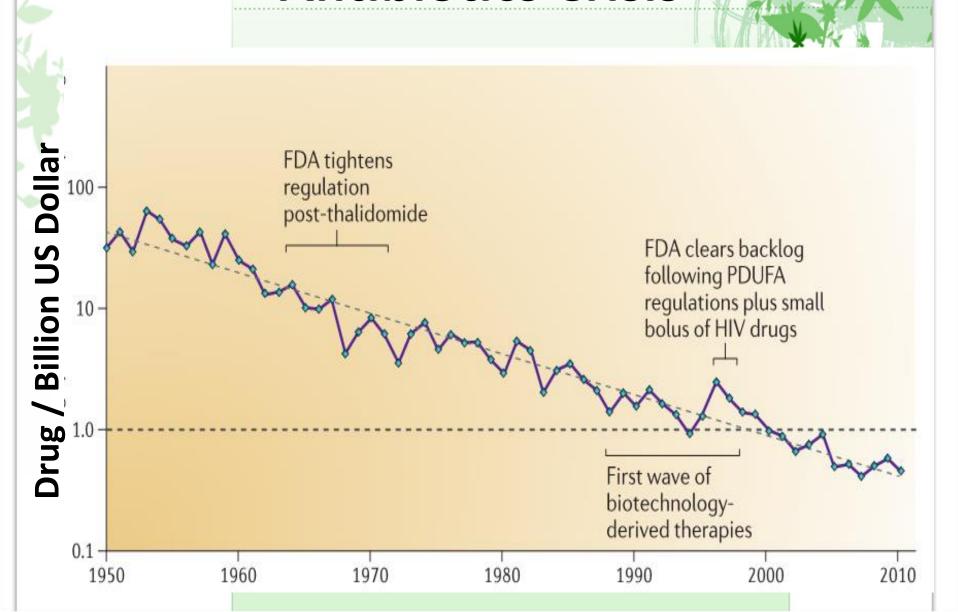
development of resistant bacteria by mutation



spread of resistance genes by Horizontal Gene Transfer



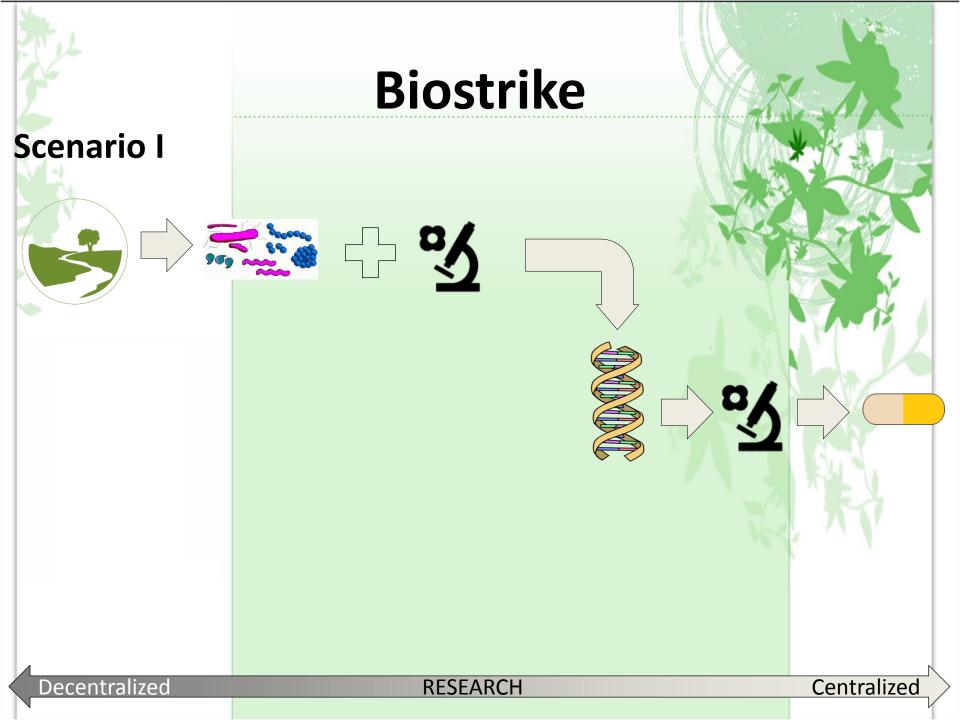
Antibiotics Crisis



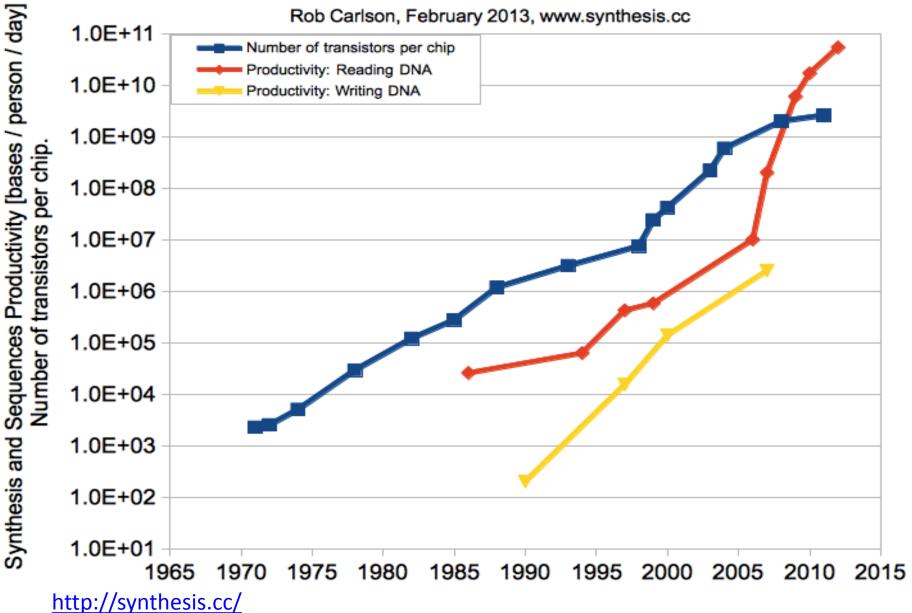
Solutions

- Reduce antibiotic consumption
 - Regulation
 - Management
 - Education
- Research new antibiotics
- Find entirely new cures...

Citizen Science Initiative Biostrike!



Productivity in DNA Synthesis and Sequencing Using Commercially Available Instruments

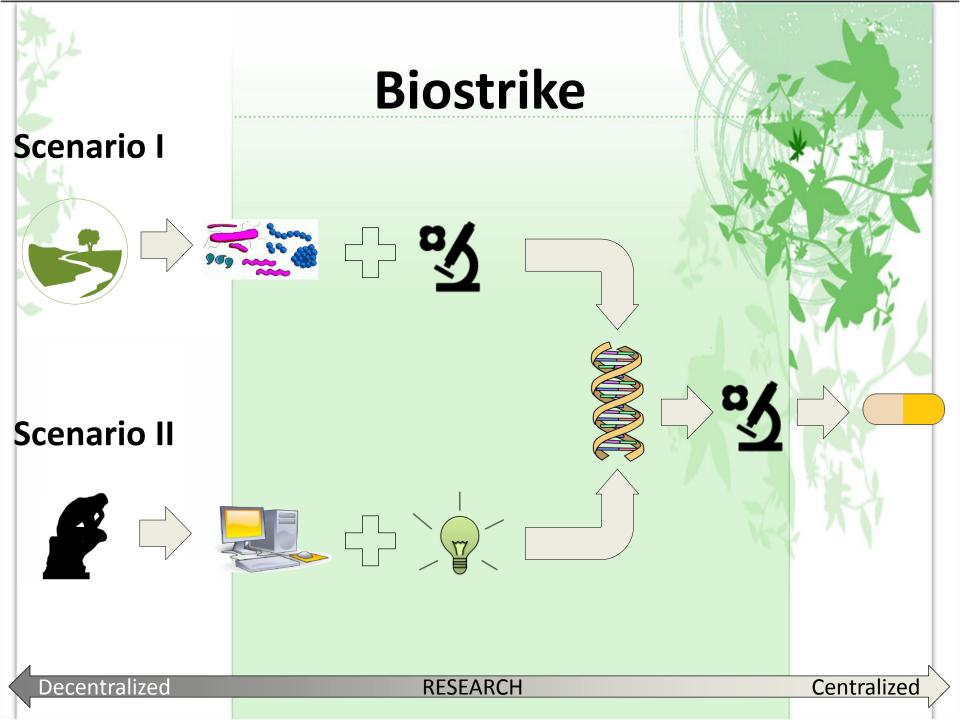


Year

Bio-Language

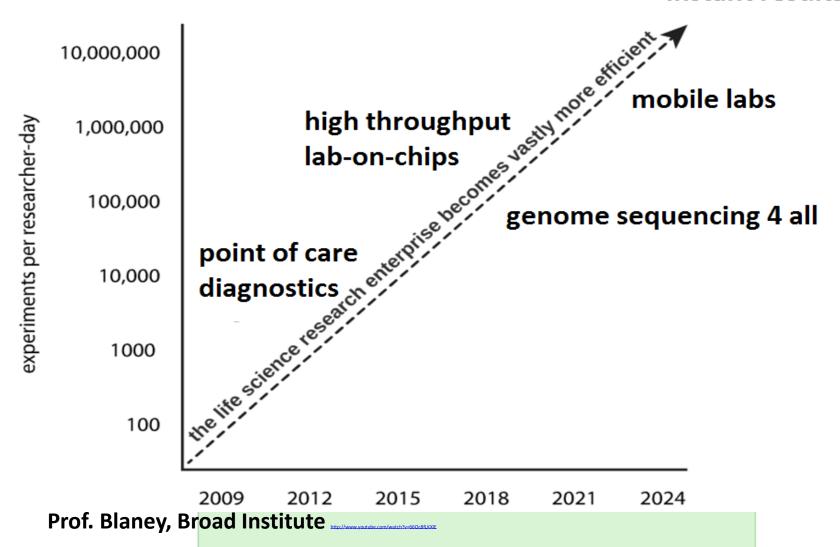


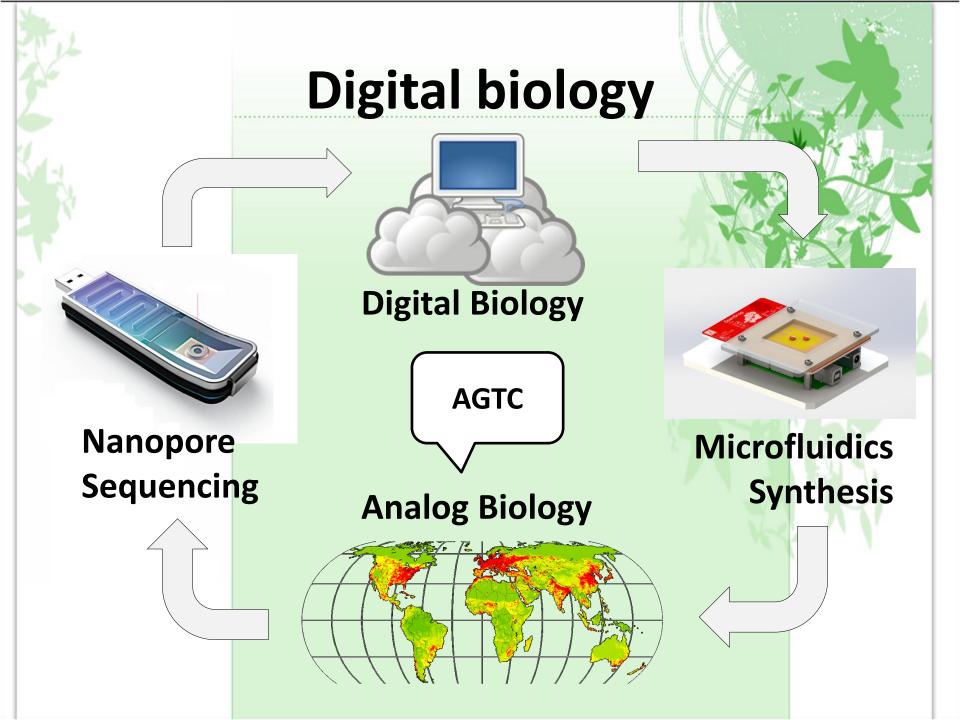
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Moore's law for Biolabs

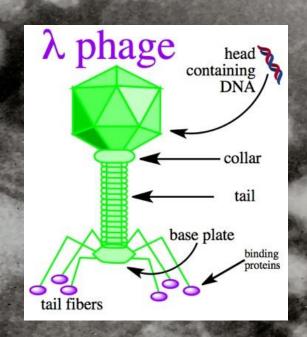
instant results

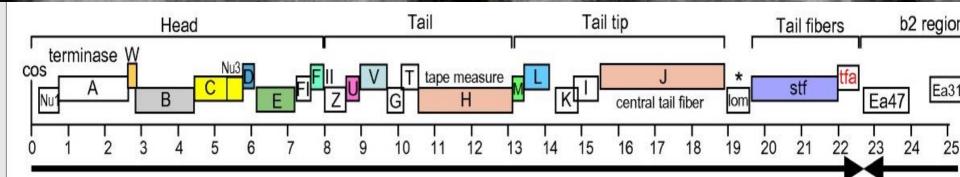


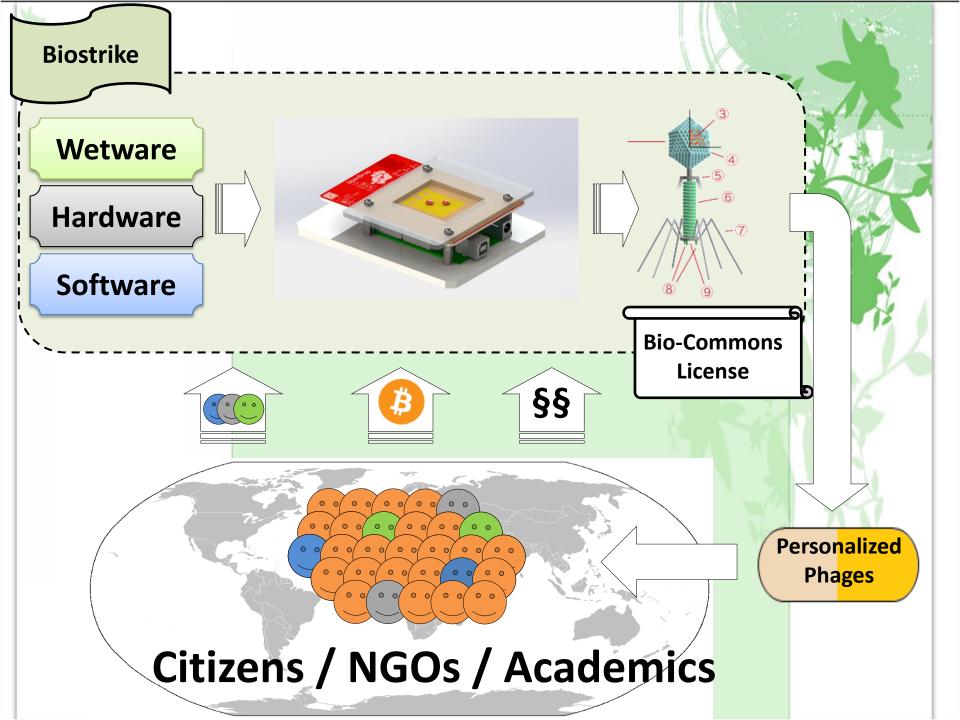


Phage Therapy

- Well known since 100 years
- Programmable
- Highly specific
- Safe







bio commons

RESEARCH GROUP FOR BIOVAIUE and SOCIETY

