

GU8 Foundation



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Global Technology Solutions → Greater Value

Key:

Red: over 15 metric tons of carbon per capita annually in 2004

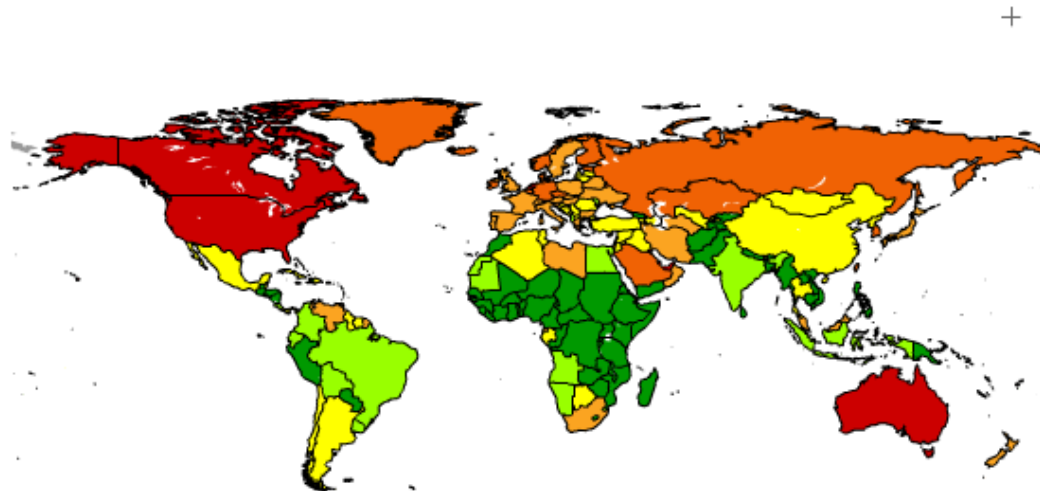
Dark Orange: 10 - 15 metric tons per capita

Light Orange: 5 - 10 metric tons per capita

Yellow: 2 - 5 metric tons per capita

Light Green: 1 - 2 metric tons per capita

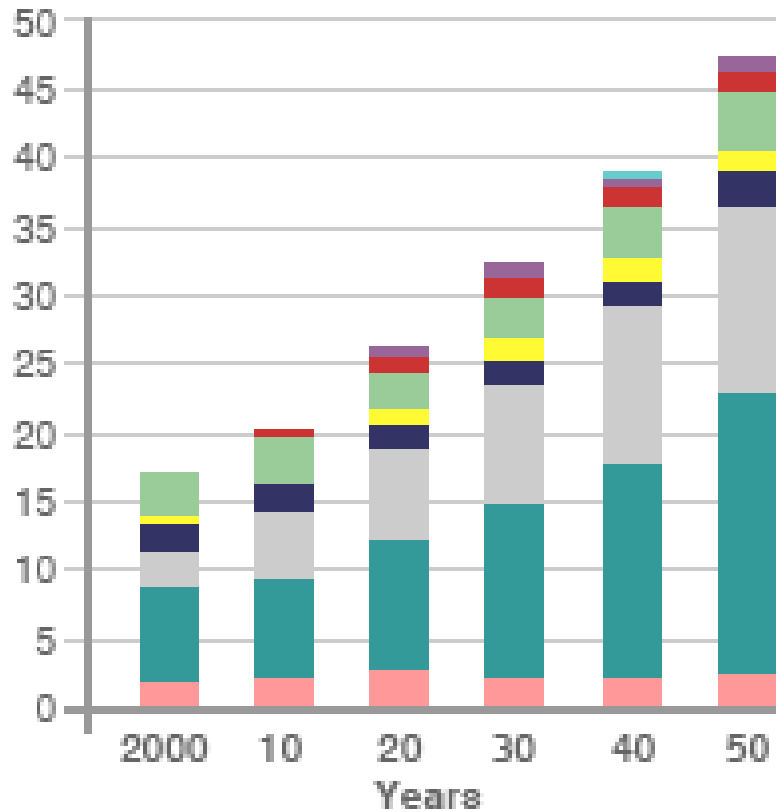
Dark Green: less than 1 metric ton per capita



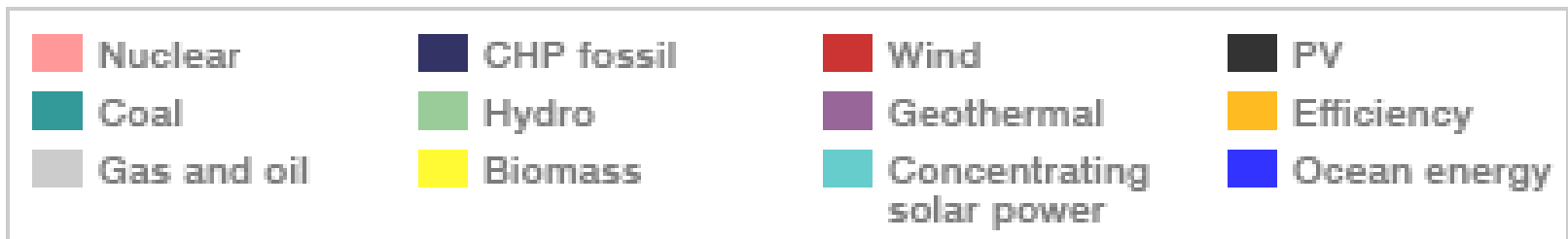
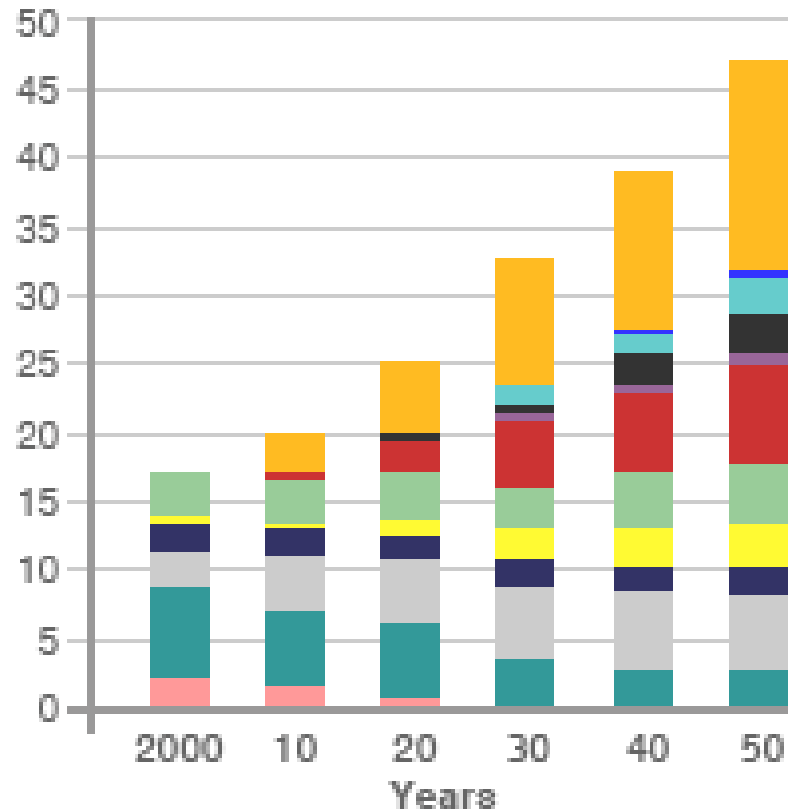
Source: Energy Information Administration

GLOBAL ELECTRICITY GENERATION

Business as usual



Alternative scenario



SOURCE: Energy Revolution report

PRODUCT LIFE CYCLE	Fundamental/ Exploratory Research	Applied Research and Development	Concurrent Engineering	Manufacturing Sales, Supports	Post- Introduction Improvement
GU8 IP Offerings	Participate in Roadmapping Make Portfolios	Support Research Funding, Interinst. & MTA Infrastruc.	Support CE License/Spin- Out Infrastruc.	Consulting & Targeted Research Infrast.,	Consulting & Targeted Research Infrast.
Expected Results	Develop a distinct new technology connected to a market need	Establish technology's practicability, market potential, and plans for development	Embody the technology in production engineered products and/or processes	Get the product or process quickly accepted in the market	Create longterm value by expanding applications of the technology
Demonstrable Steps and/ or Benefits	Technical proof of the ideas, patent, develop vision for the technology	Patent if relevant or not done; ready plans for commercialization; prototype, test with key targets	Beta test with key customers, unveil commercial version of the technology	Hit take-off (5% - 20% penetration)	Obtain substantial financial returns and establish the infrastructure for supporting a product family
Relevant Stakeholders	Research partners, technical experts in the field	Technical experts, potential investors and other funding sources, targets, end users, opinion leaders in key entry niches	End-users, lead customers, sup pliers of platform or complementary technologies and products, targets, opinion leaders	Targets, end users, customers, opinion leaders, others in value network	Company management, others in value network, customers, opinion leaders, R&D partners

Business Model

- Provide vehicle for receiving, obtaining holding and distributing funds
- Hold Development Money
- Minimal overhead
 - CoP Chair approves budgets and distributions
 - Funds dispersed into member universities for GU8 Activities
- Board of active members of CoP
 - Some minimum participation level

Funds and conducts/contracts for:

- Research Proposal Development:
 - Participation in road mapping
 - Task Force faculty exchanges
 - Vehicle for proposal submission as needed
- Research Coordination:
 - GU8 JRC Conference for Task Force Members
- Education
 - Student Exchanges
 - New Degrees
- IP
 - Maintain/upgrade/revise IP templates
 - Assign IP leads; allocate shares
 - Annual/possibly quarterly auctions