An Anatomy of a Green Society

Green on the evolution scale
Awareness on priorities: Food/Water, Pollution, Waste, Energy!?
Common sense premises | Human limits and society economics
(i) On the road | Green | ? | Agreement on Green-ish
(ii) On the road | Complexity of any decision/position
#a Society | Fake news and Half-baked truth
#b Follow by bad/good examples
#1 Economics first | Time for turning the corner
#2 Selective collection | online issue reports | critical helping free resources
#3 Targets
#4 Special cases
-   IoT/sensing | (Z)Billions of batteries | Infested soil
-   Electrical connections | Hidden pollution
-   Electric scooter | Extra pollution
-   Batteries for electric cars | Recycling challenge
-   Nuclear energy plants | Radioactivity pollution
-   Body network and wearable devices | Body endangerment
-   Sources for energy in the next decades
-   Off-shore petrol extraction platforms
-   Fracking (hydraulic fracturing) extraction | costs | petroleum (in)dependency |
    https://serc.carleton.edu/NAGTWorkshops/health/case_studies/hydrofracking_w.html
    - Contamination of groundwater
    - Methane pollution and its impact on climate change
    - Air pollution impacts
    - Exposure to toxic chemicals
    - Blowouts due to gas explosion
    - Waste disposal
    - Large volume water use in water-deficient regions
    - Fracking-induced earthquakes
    - Workplace safety
    - Infrastructure degradation
-   Industrial pollution | Counter-actions
-   Smart phones | Long-term damage
-   Supercomputing + Data centers | Cooling issues | Energy+ Liquid Coolers
-   Technology Industrial lanes | avionics
-   Chemicals | Agriculture | Bees/Pollination/Sensing
#5 Case#a | Energy source
#6 Case#b | Eolian and solar energy replacement |
#7 Case #c | Materials for digital devices
#8 Case #d | Diesel cars -> Electric Cars | *Green* drama
#9 Case #e | (Every 2-3 years) New cars or (Pre-owned cars) vs Mobility-as-a-Service
#8 Embracing a larger spectrum of *Green*-attitude
#9 Achievements (some, in progress)
#10 Eco-system self-regulation | Evolution
#11 Some recognizable (maybe not explicitly recognized) solutions
#12 Light at the horizon 2019
-   Flying V | KLM | Knowing the Limits | Operational in ~ 30 years | Hopes
-   Ion-Lithium batteries | Nobel 2019 | ~ 50 years | Waste |

- Ozone Hole status | Annual cyclic variation | (Partially)-controlled process
- Amazon delivery | Business-driven (indirect) eco-attitude
- Emperor penguins | Smaller vs. Bigger Glaciers | Conflicting views/conclusions

#13 Homework | Decision Dilemmas