ENERGY IN



Other notes: losing money from tourism, ferrari drivers, no consciousness, too long process, nobody cares?



NEIGHBOURHOOD STORAGE **Key Partners Key Activities** Key Objective Key Stakeholder Groups Engagement Ť Å. What activities does the key Which problems does your initiative What type of relationship can be Who are the key partners that and Customer Segments need to be involved? objective require? solve? What value is delivered? established with the stakeholder For whom is value created? Who groups and customer segments? benefits from this transition model? **Problems it solves** Techno-economic - Utilities - interaction - aggregator analysis - Grid operators 1. High energy - university/academia - neighbourhood - Technology Providers Screenina/ dependency Set the vision - PSOs representative - EV owners monitoring - National/EU level - Land owners 2. System developed - aggregator decisionmakers **Bring** people - Energy agencies by individuals together - funding organisations - Local investors - local investors (companies) Key Resources Channels 3. Minimise energy - technology providers - Local authorities What resources does the key Through which channels can they σ production cost \$ be reached? objective require? - Local generators Public spaces 4. Interaction between Available primary (community initiatives) Available resources neighbouring resources: Arenas communities and the - Individual households - centralised Communication - decentralised grid **Digital/physical** infrastructure - Housing Associations interaction Revenue Cost structure EQ. - Grid operator (peak saving) What are the main costs associated with your initiative? What are the sources of revenue? - Investment costs - National budget Ē - Marginal costs - Savings from fossil fuels - Confidence Social impact - Grid stability What social impact does your initiative have? - Ecotourism/Energy tourism - Energy security Ý - Energy/Transportation cost reduction - Local jobs **Environmental impact** Commitment to more environmental projects What environmental impact does your initiative have? Air quality 30 Health



REPUCE CONSUMPTION (households)



REPUCE CONSUMPTION (households)





AUTOCONSUMPTION (households) **Key Partners Key Activities** Key Objective Key Stakeholder Groups Engagement Ë Å. What activities does the key Which problems does your initiative Who are the key partners that What type of relationship can be and Customer Segments need to be involved? objective require? solve? What value is delivered? established with the stakeholder For whom is value created? Who groups and customer segments? benefits from this transition model? Inform consumers SUN Educate/inform about how to make (empower!) - Grid companies (DSOs) their houses more consumers about efficient/better Incentivise more when they use from an energy Grid consumers to - Companies that can the energy they point of view install the household production produce **Companies** systems Key Resources Channels **, 5**% Through which channels can they What resources does the key Legislation be reached? objective require? - Local real prices to (change Some storage is reduce local Solar panels distribution consumption & costs needed at home land other RES - real-time level (thermal issue between generation monitoring of storage, houses) sources) constumption (smart batteries) meterina) Cost structure Revenue - you skip the bill (avoided costs) [Q - Crowd-funding projects (for What are the main costs associated with your initiative? What are the sources of revenue? - Financial support to invest upfront what communities or less wealthy - Should pay by tax and not by consumption? you will save in the coming years (by people) E - Who pays for the electricity fed to the grid? whom? EU?) - Social banks/social funds - Who pays the bill of the utilities (only those who have not invested in their houses?) - Micro-funds Social impact Energy justice: Could be good for those that can afford it, but not a given that everybody will be able to do it What social impact does your initiative have? Ý Local jobs **Environmental impact** Less CO2, less harmful emissions What environmental impact does your initiative have? Sustainably solar panels produced in the EU (to avoid shipping emissions)

