



STRATEGIES FOR THE TRANSITION TO ELECTRIC MOBILITY

LOCAL GOVERNMENT PERSPECTIVE





BACKGROUND AND MOTIVATION

- ICLEI ARE A MEMBERSHIP ASSOCIATION OF **LOCAL GOVERNMENTS**
- A **NON-PROFIT** ORGANISATION WORKING ON MANY EU PROJECTS PROMOTING SUSTAINABILITY
- **SUSTAINABLE PROCUREMENT** TEAM – FACILITATE THE EXCHANGE OF KNOWLEDGE, DISSEMINATE INFORMATION AND GOOD PRACTICE, CONDUCT RESEARCH, PROVIDE ADVICE AND GUIDANCE.
- CURRENTLY LEADING THE **CLEAN FLEETS** (IEE) PROJECT, TO HELP PUBLIC AUTHORITIES AND TRANSPORT OPERATORS IMPLEMENT THE **CLEAN VEHICLE DIRECTIVE (CVD)**
- OTHER RECENT PROJECTS WORKING WITH TRANSPORT AND PROCUREMENT DEPARTMENTS TO PRODUCE GOOD PRACTICE CASE STUDIES INCLUDE **CIVITAS** AND THE EU **GPP HELPDESK**.



PRACTICAL APPLICATIONS OF E-TECHNOLOGIES AND IDEAS TO INCREASE THEIR DEPLOYMENT ACROSS LOCAL GOVERNMENTS:

- 1. POLITICAL SUPPORT AND CLARITY OF OBJECTIVES**
- 2. FINANCIAL INSTRUMENTS**
- 3. RENEWABLE ENERGY MIX**
- 4. MATURITY OF THE MARKET AND TECHNOLOGY**
- 5. RELATIONS WITH EXTERNAL ORGANISATIONS**
- 6. AWARENESS RAISING AND USER BUY-IN**
- 7. PROCUREMENT PROCEDURES**



POLITICAL SUPPORT AND CLARITY OF OBJECTIVES

- EUROPEAN
- NATIONAL
- LOCAL

- HARMONISED REGULATION TO ESTABLISH A CLEAR PATH FOR PROGRESS

- CLEAR OBJECTIVES AND TARGETS IN ORDER TO MEASURE PROGRESS BUT ALSO IN ORDER TO ALLOW DIFFERENT DEPARTMENTS TO WORK TOWARDS A COMMON GOAL

- AN ACTION PLAN WITH CLEARLY DEFINED ROLES AND RESPONSIBILITIES ACROSS DEPARTMENTS.



FINANCIAL INSTRUMENTS

- **SUBSIDIES AND GRANTS FOR PURCHASING VEHICLES AND INFRASTRUCTURE**
- **FUNDING FOR RESEARCH & DEVELOPMENT**
- **INCENTIVE SCHEMES INCLUDING REDUCED TAX, PARKING PRIVILEGES AND FREE CHARGING OF VEHICLES.**
- **INVESTMENTS MADE BY PUBLIC/PRIVATE PARTNERSHIPS**
- **LIFE CYCLE COSTS (TOTAL COST OF OWNERSHIP + LIFETIME EMISSIONS) CAN STILL BE RELATIVELY HIGH**





RENEWABLE ENERGY MIX

- EXTREMELY IMPORTANT FOR THOSE ORGANISATIONS WHO TAKE A **WELL-TO –WHEEL** APPROACH TO CALCULATING ENVIRONMENTAL PERFORMANCE
- ALSO FOR THE **REPUTATION** OF ELECTRIC VEHICLES AND THEIR USE AS A CLEAN TECHNOLOGY OPTION
- THEREFORE LESS ATTRACTIVE FOR THOSE WITH A LOWER % RENEWABLE (OR NUCLEAR)ENERGY SUPPLY
- DOESN'T ALWAYS HAVE TO BE AN ISSUE IF ELECTRICITY GENERATION IS **DECENTRALISED**





MATURITY OF THE EV MARKET AND TECHNOLOGY

- **HIGH INITIAL PURCHASE PRICE IS STILL A FACTOR FOR MANY AUTHORITIES WITH AN INCREASINGLY LIMITED BUDGET**
- **CONCERNS HAVE ALSO BEEN RAISED ABOUT THE SAFETY OF EV PASSENGER CARS COMPARED TO STANDARD MODELS**
- **RANGE (AND SPEED) LIMITATIONS RESTRICT THE USE OF EVS FOR MANY PUBLIC SECTOR ROLES, ESPECIALLY IN RURAL AREAS.**
- **THE ISSUE OF TRANSPARENCY AND ACCURACY OF EMISSIONS DATA FROM MANUFACTURERS HAS BEEN RAISED FREQUENTLY, ESPECIALLY FOR HEAVY DUTY VEHICLES (RELEVANT FOR HYBRIDS)**



RELATIONS WITH EXTERNAL ORGANISATIONS

- **SHARED INVESTMENT IN INFRASTRUCTURE**
- **IMPORTANCE OF MEET THE BUYER EVENTS TO FAMILIARISE SUPPLIERS WITH THE NEEDS OF THE AUTHORITY**
- **PARTNERSHIPS TO ESTABLISH NEW, USER-FRIENDLY SYSTEMS**
- **COLLABORATION WITH CAR MANUFACTURERS, ICT COMPANIES, TRANSPORT SERVICE PROVIDERS, UTILITY COMPANIES, UNIVERSITIES, RESEARCH INSTITUTES, POLICY-MAKERS ETC.**





AWARENESS RAISING AND USER BUY-IN

- **USER BUY-IN IS ESSENTIAL DUE TO THE DEVOLVED NATURE OF PROCUREMENT FUNCTIONS AND BUDGETS**
- **TEST DRIVING AS PART OF THE PROCUREMENT PROCESS, AS PART OF AWARENESS RAISING EVENTS OR STAFF TRAINING CAN BE VERY POSITIVE.**
- **DISSEMINATION OF INFORMATION ABOUT WHAT OTHER EU CITIES ARE BUYING IS VERY IMPORTANT:**
 - Individual case studies
 - Market trends.





PROCUREMENT PROCEDURES

- **COOPERATION BETWEEN DEPARTMENTS** WITH DIFFERENT FUNCTIONS, - PROCUREMENT, URBAN PLANNING, TRANSPORT, ENVIRONMENT DEPARTMENTS ETC.
- **LOCAL AUTHORITIES CAN DEMONSTRATE COMMITMENT AND HELP DRIVE THE MARKET THROUGH JOINT PROCUREMENT** - ALTHOUGH THIS CAN BE COMPLEX
- **MARKET RESEARCH** BEFORE TENDERING FOR ADVANCED TECHNOLOGY VEHICLES HAS TO BE VERY THOROUGH
- **MOST TENDERS THAT WE HAVE SEEN UNDER WHICH EVS HAVE BEEN BOUGHT HAVE SPECIFICALLY STATED EVS IN THE SUBJECT MATTER** OF THE CONTRACT. THEY DID THIS RATHER THAN USING TECHNOLOGY NEUTRAL AWARD CRITERIA
 - We are looking into the reasons for this as part of our research on how we can help implement the CVD, which itself aims to be technology neutral.



CONCLUSIONS OF LOCAL GOVERNMENT PERCEPTIONS

1. **POLITICAL SUPPORT AT ALL LEVELS – FUNDAMENTAL**
2. **FINANCIAL INSTRUMENTS – ESSENTIAL, IDEALLY A COMBINATION**
3. **RENEWABLE ENERGY MIX – HIGHER % BETTER**
4. **MATURITY OF THE MARKET AND TECHNOLOGY – SOME LIMITATIONS**
5. **RELATIONS WITH ORGANISATIONS – ENABLES HOLISTIC APPROACHES**
6. **AWARENESS AND USER BUY-IN – BOOSTS POPULARITY**
7. **PROCUREMENT PROCEDURES – WORK IN COLLABORATION**



THANK YOU FOR LISTENING

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