

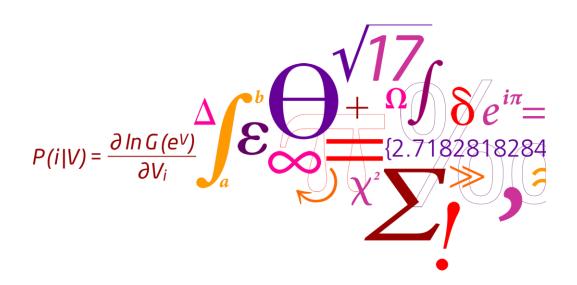


## **GREAT**

## Activity 7: Evaluation, Assessment and Future development

## **Electric vehicle experience and intention**

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## **Aim and Method**

#### Aim:

 Monitor EV user experience and perceptions in Denmark and Sweden over the project period

#### **Method:**

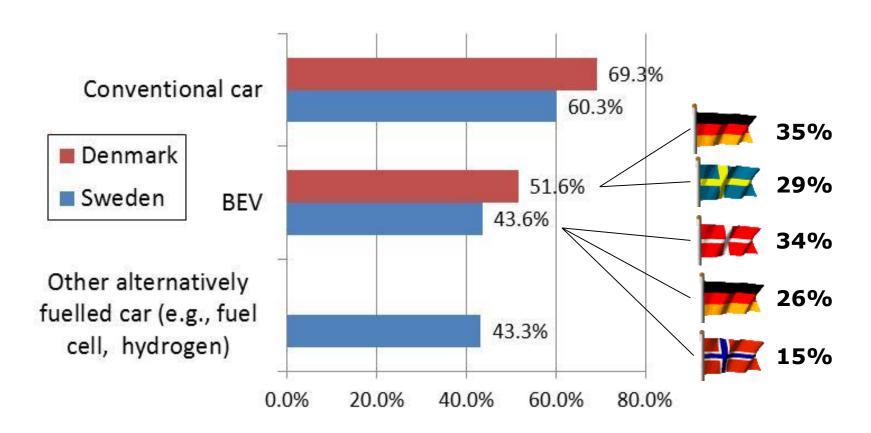
Longitudinal online-survey
3 waves; partly with same participants

## **Target groups:**

- EV users (first wave: n=731)
- CV users (first wave: n=1793)



## **Cross-border BEV use**



- 91% who drove to foreign country tried to recharge (89% of Danes; 97% of Swedes)
- 25% reported problems; most of them compatibility problems (58%)



## **EV** perceptions

#### Perceived barriers:

• 8% of EV users (strongly) agree that "The need for charging makes EVs very unpractical for use in everyday life" vs. 45% of CV users.

#### **Affective attitude / EV-Excitement:**

 99% of EV users (strongly) agree that "It is fun to drive an EV" vs. 30% of CV user.

#### **Symbolic attitude / EV-Status:**

 92% of EV users (strongly) agree that they "feel proud of having an electric car" while 51% of CV user would feel proud.

#### **Public incentives for EV purchase:**

• 71% of EV users in DK and 39% in SE find public incentives to buy EVs dissatisfying.

#### **Environmental performance:**

 91% of EV users and 69% of CV user find the environmental performance of EV satisfying.



## **EV** intention: Linear regressions

	CV users' intention	EV users' intention
Perceived barriers	22***	<u>33***</u>
Attitude: symbolic	<u>.32***</u>	.18***
Attitude: affective	.20***	.22***
Personal norm	.12***	ns
Subjective norm	.18***	.08*
Satisfaction with price / public incentives	.08**	ns
Gender (female)	09***	ns
University education	.05*	ns
Country: Sweden (reference: Denmark)	.09***	.08**
Access to a private parking place	.05*	ns
Change: Plan longer car trips more carefully	not included	.07**
Change: I do not travel long distances by car anymore	not included	07*
R <sup>2</sup>	.58	.44

*Not significant*: Perceived mobility needs, satisfaction with maintenance costs, environmental performance, age, self-employed, household size, income, children, nr. cars in hh, gasoline/diesel car, Tesla, ever travelled in EV, ever charged an EV \*p < .05; \*\*p < .01; \*\*\*p < .001





# Session 2: Behavioural change – Creating a culture of sustainability

## **Input from the GREAT survey**

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