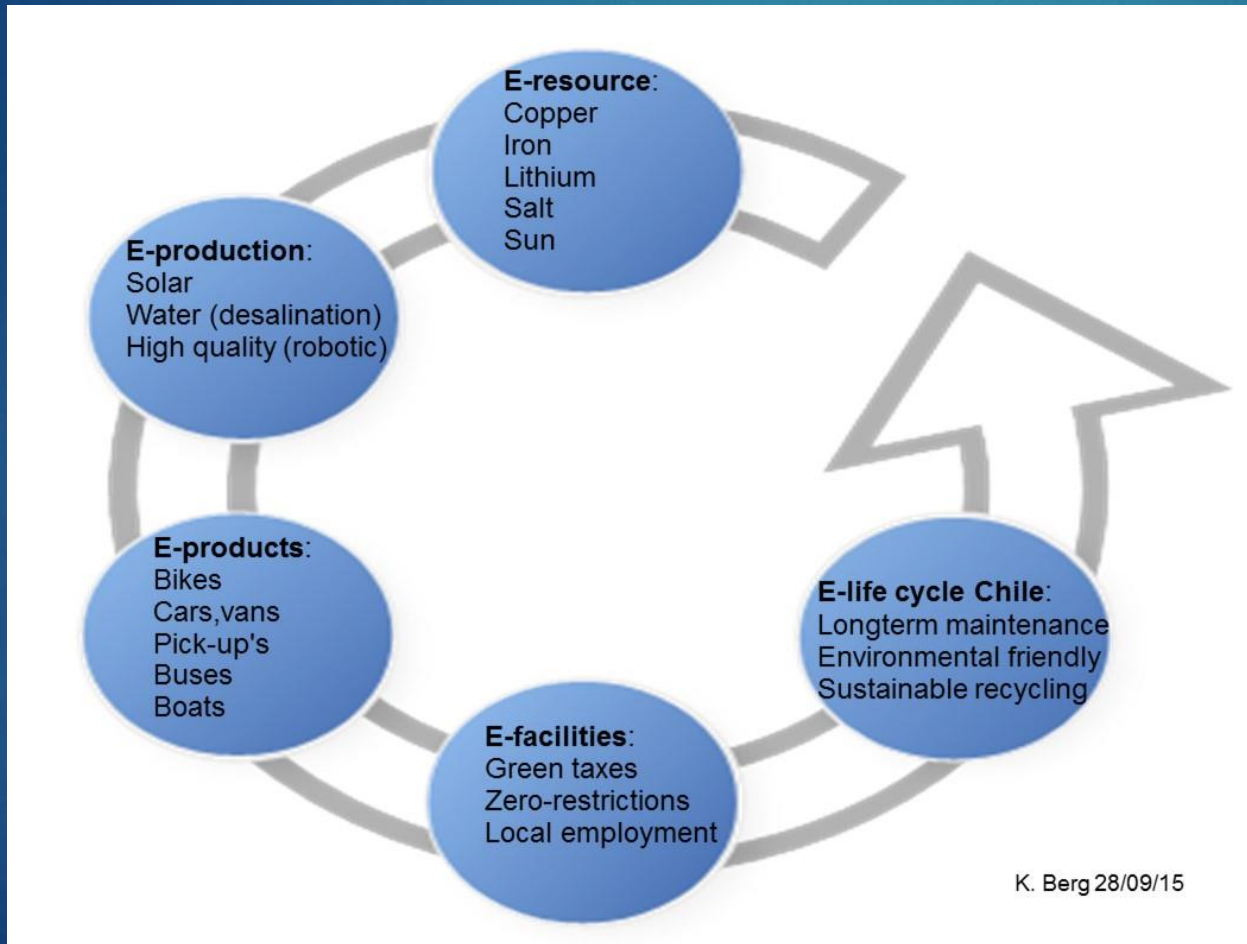




eDrive Chile

PROJECT21: "THE NEW WAVE OF ELECTRIC MOBILITY"

Why in Chile? Prime country from Latin America, where is huge potential of renewable energy and storage resources. To be used for smart “electric mobility” & industry. Complete eLife cycle.



K. Berg 28/09/15

What we have to do? Establish horizontal co-working, I+D áreas, between companies, government, science & investigation centers. Success is guaranteed, if innovative leaders join into long termed partnerships, together with community authorities and scientists.

What we can do to convert common megacity into sustainable life-metropole? Here: mobility

Government: Incorporate 'smart' concepts into regional planning as a 'whole', where different transport systems coexist in harmony, clockwork-like, between urban railroad/subway traffic, electric/hybrid buses, e-(utility)cars, (e-)bikes and pedestrians, etc.

Company: Cooperate with specialized 'start-up' firms to prepare 'optimal' market conditions for new sustainable products in mobility sectors (2-3 year programs). Common network and experience sharing, win-win strategy. Decide between direct importation of products, or national production, studied case by case.

Science: Develop digital technology and 'software' for smart regulation and interaction between all 'traffic players', to garantize harmony during diary traffic movements. Successful models just for export.



Smart City tema "Movilidad vs. Áreas Verdes": Que podemos hacer a nivel de Gobierno, Empresas y Universidades?

Autoridades: Primero, evitar malos entendimientos: 'movilidad' es un todo, metro, buses, autos, bicicletas, peatones. 'Áreas verdes' son parques de todos tamaños, plazas con arboles, donde la gente descansan, del estrés, del sol y del ruido urbano, en soledad, en familia, con amig@s, o en compañía de un animal doméstico. Segundo, más vale uniendo áreas verdes con una 'movilidad recreativa' (silenciosa), como ciclovías, caminos, etc.

Sector Privado: Dando mayor uso a estos recursos, tanto incentivar el uso de la movilización pública, el car-sharing y el uso de la bicicleta para sus empleados. Y recomendar para descansar al medio día unos minutos en un parque/plaza silencioso. Colaborar en instalar bicicleteros, juegos para niños y en eventos comunales, de recreación familiar.

Facultades: Planificación y desarrollo urbano re-creativo, de bajo costo. Incentivar proyectos a mediano/largo plazo entre varios sectores involucrados, intercomunal, acorde a la necesidad de su estudiantes y del público en general. Creando prácticas win-win.



Awareness: we need to fill the 'gaps of knowledge' from Chilean community with background information & state-of-the-arts about upcoming automotive technology, especially EV's.

full electric vs. hybrid car

zero CO2-emission, silent, few maintenance, zero lubrication oil, simplified parts, easy handling, guarantee for life



reduced, but still existing CO2-emission, noise desired, complex maintenance (lubrication oil, etc.), more engine parts, handling by experience



Spectra eMobility: inform in-depth about different kinds of transport systems, transport & smart mobility, etc. Create practical ideas and solutions. Facilitate the intelligent 'entry' of customized technology.



eBus?

eUtility?

eBike?

eCar?

Tramway?

Good example: how we can transform obtained experience from last Atacama Solar Rally, April'16, into local EV+battery industry?



Sponsor Exploraberg, March '16: hybrid vehicle "Pandinus II", Diego Portales University | external solar Li-battery 'sun roof'-recharge & human, pedelec-like, traction | unique authorized solar-rally concept, 'made-in-Chile'!



Public eBus Stgo, May'16: first batch of 1.500 diesel-fueled buses needs to be replaced in 2017. Of total 6.000 'Transantiago' - buses following years. Municipality Trial Project & BYD/Chilectra



The official project '**eDrive Chile**' began in March 2016. Financial input comes from Exploraberg and creator. The project will prosper fast, depending of fresh capital input, logistics and manpower by new prime co-partners, local or outside. In total, 3-5 industrial experts are desired. Local network will be intensified next months. Main items of 'best practise' and 'rules' just here:

- open mind acting
- independance & freedom by knowledge
- common paradigms don't exist
- learn from the best
- Exploraberg acts like think-tank or garage
- company neutrality
- think big, act big, but social
- sustainable practise

Project shedule: 3-years, subdivided into 3-month/quarterly stages.
Works: analize, asociate, create, transform, apply and inform in common language the Chilean Community about the progress of increasing “electric mobility”.

Stage1: exploring

- Historical local eMobility
- eBikes, eCars (EV), eBuses, metro, trains, etc.
- Quick analisis of pilotprojects, like eTaxi, eBus, etc.
- Short posts and comments in LinkedIn
- Presence in seminars

Stage2: scouting

- Onsite revision of actual infrastructure, recharge stations and units
- conversations with authorities, firms, communities, etc.
- Learn by doing

Stage3: sharing & trials

- ‘show cases’, trials
- Trade-fair “World of Energy Solutions”
October 10-12, Stuttgart, incl. presentation
- short visits of innovative firms and communities in Germany and other countries in Europe, networking

eDrive Chile Project21: “to learn from others (more advanced), but adapt best practise with local ‘inhouse conditions’ for further ‘industrial planning’ and innovative developments, I+D’s.”

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