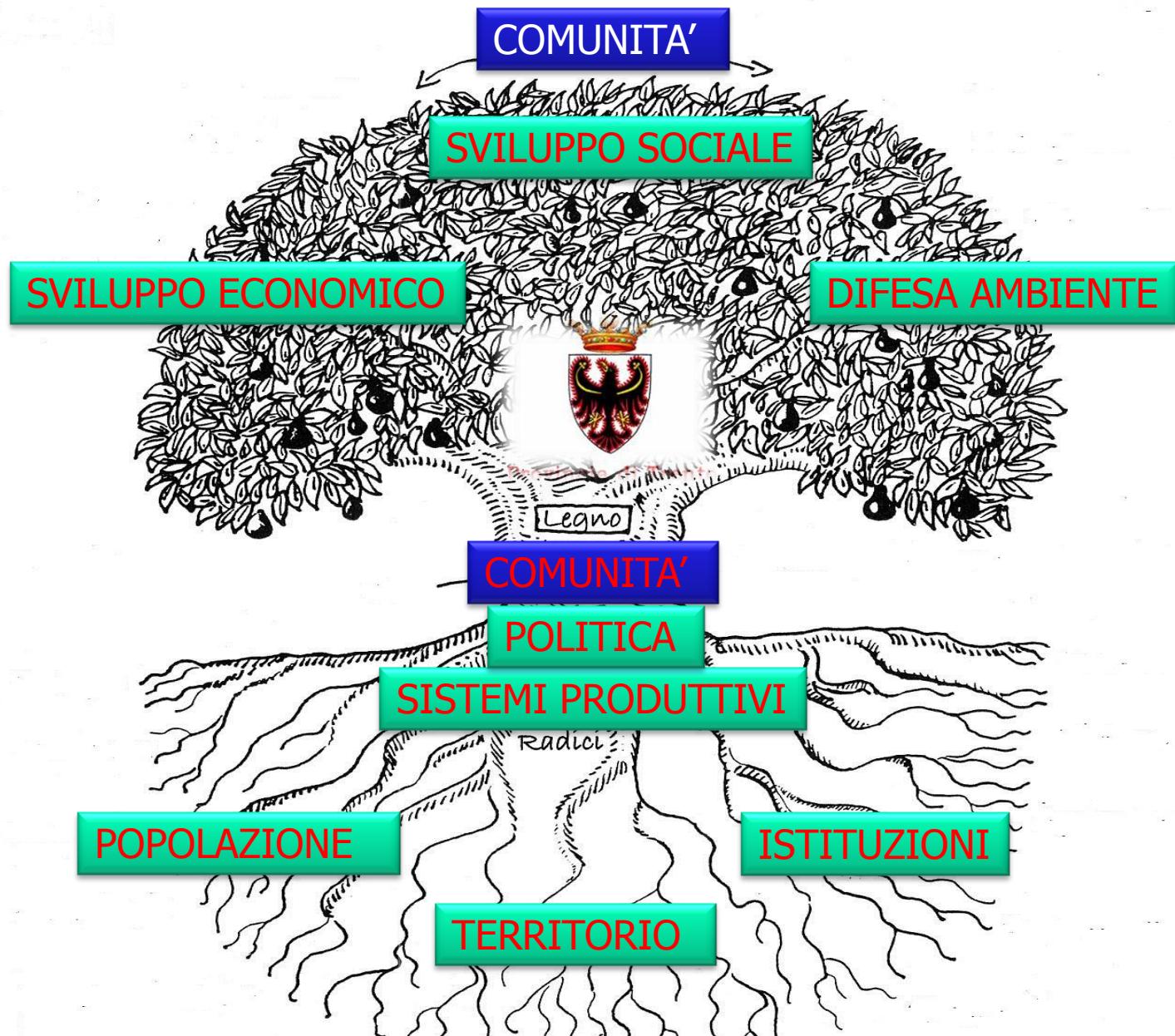


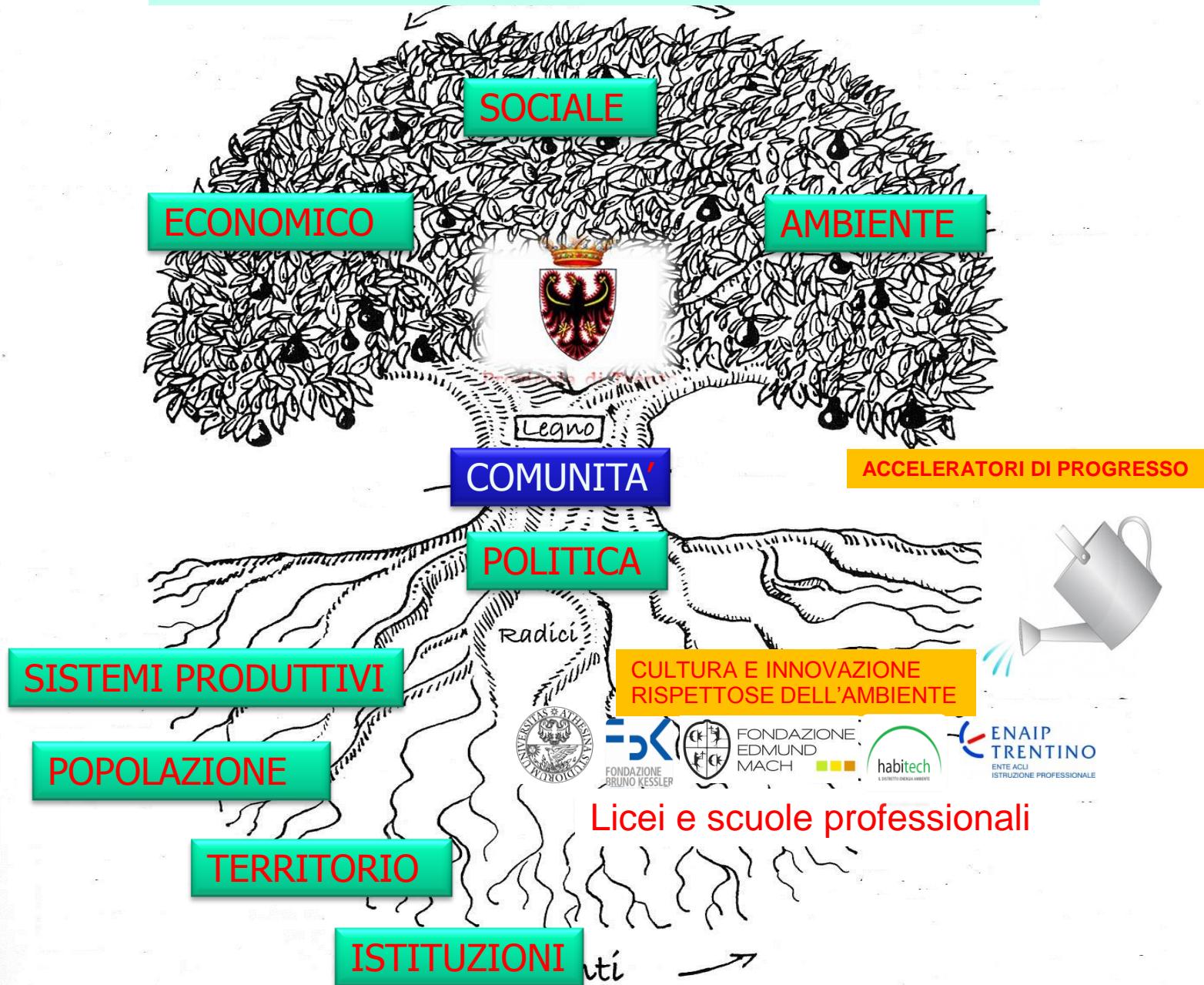
# COMUNITA'





Le condizioni per uno sviluppo sostenibile

NON SEMPRE LE COMUNIA' SI SVILUPPANO VELOCEMENTE





# Il ramo della Valsugana

per i sistemi cogenerativi e mobilità elettrica



**SOFCPOWER**  
SOLID OXIDE FUEL CELLS

**Eurocoating**  
BIOMEDICAL COATINGS



**DOLOMITECH**  
ADVANCED PROPULSION



**Scandiuzzi New Technologies**

idrogeno e  
nuove tecnologie



  
**EVOTECH**  
PERFORMANCE



**Tomaselli Servizi**  
...Green Power Solutions



# Fuel Cell Minibus in Trentino

Un progetto di ricerca innovativa  
«Sviluppo e Test di 2 Mini Bus alimentati ad H<sub>2</sub>»



## Prestazioni:

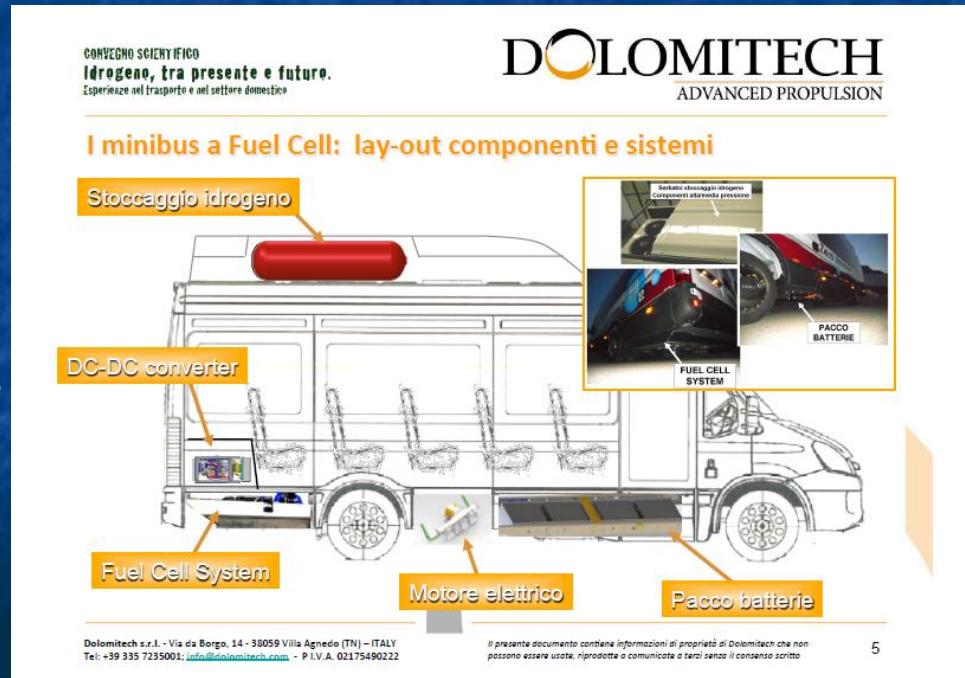
Max speed: 80 km/hours  
Max charging time: 10 min.  
Max slopes: 20%  
Min. Range : 250 km  
Able to work at very low temperatures

## Struttura: IVECO Daily

Max passengers: 16  
Max weight: 5600 kg  
Power train: FC+battery FC dominant  
Batteries: Lithium Ion (25 km range)  
Electric power: 3 phase AC synchronous  
Max Power: 50 kW  
Hydrogen tanks: 7 kg (carbon fiber)  
Tanks pressure: 350 bars -300liter

## Programma

Start : November 2011  
First step: March 2013 (delivery of minibus)  
Second step - testing program: till March 2014





# Fuel Cell Minibus in Trentino

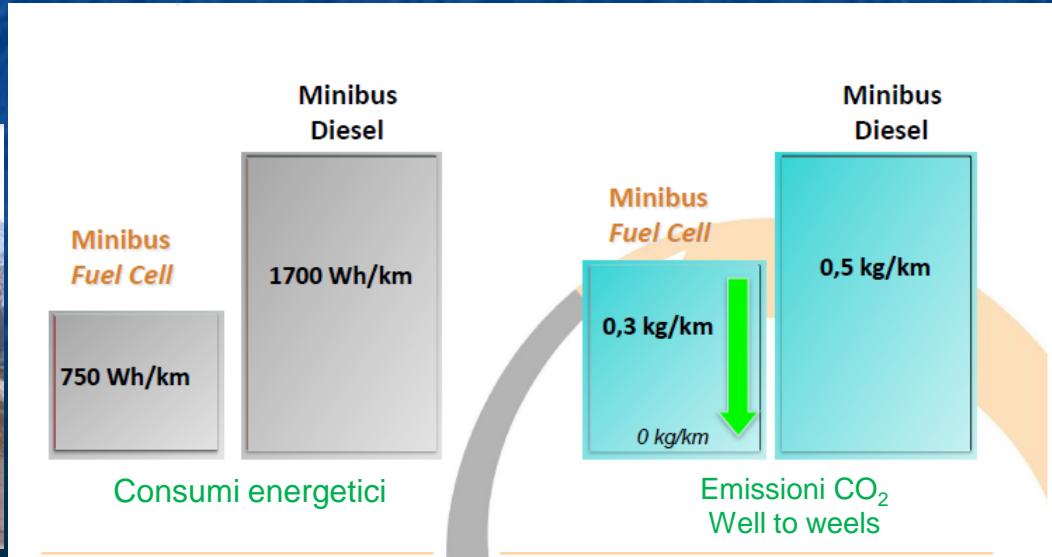
## risultati del programma di Testing



### Programma di lavoro

- 150 km/day
- Min altitude: 600 s.l.
- Max altitude: 2000 s.l.
- Daily climb : 3000 m
- Max slope: 18%
- Average slope: 6% for 30 km
- 6000 km completed without break

Preliminary results (after 16000 km)





Lo Sviluppo Sostenibile , attraverso una  
Politica Sostenibile, oggi è possibile.



Grazie per l'attenzione

Andrea Tomasi



Provincia di Trento

