



**REGIONS
& CITIES**

European Week
Brussels 7-10 October 2019



Local governments are setting the bar high for climate action

FLORENCE, towards zero emission city



**European Committee
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*We wanted to make citizens lives easier and the
place where they live safer and greener becouse
<...the more the city is beautiful, the more
beautiful the people are as if the air were better
there>*

*<...più la città è bella e più la gente è bella come se l'aria vi fosse
più buona>
Elio Vittorini, Le città del mondo*



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FLORENCE SMART CITY PLAN the roadmap at 2050



**#planningforabetterlife
#actingforabetterfuture**

**Firenze
Smart
City Plan**





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**SUSTAINABILITY in
Florence is a never ending
story**

- 1998 Aalborg Chart
- 2005 Aalborg commitments
- 2010 Covenant of Mayors



- Sustainable Energy Action Plan (2011)
- Mayor's Adapt (2015)
- Compact of Mayors (2015)
- SCP Smart City Plan of Florence (2015)
- Covenant of Mayors for Climate and Energy (2017)
- Global Covenant of Mayors for Climate and Energy



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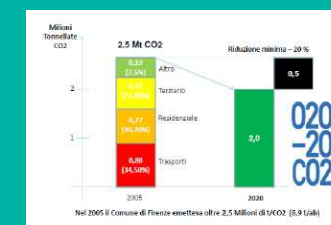
SEAP



The analysis of the sectors (buildings / mobility / tertiary / industry) showed us that mobility and energy efficiency are the areas to focus on in order to get significant results in the city but only an integrated action allows to achieve the objectives that the city has set itself: a city on a human scale, sustainable, green, efficient, electric, inclusive, resilient, innovative in a word smart

	AZ ONF	CO ₂
MOBILITA'	Linea Tramviaria 1	4.894
	Costruzione delle Linee Tramviarie 2 e 3	25.102
	Estensione Bagno a Ripoli	6.525
	Mobilità sostenibile del cittadino o politiche di eco-road pricing	138.200
	Ampliamento rete di ciclabili e bike-sharing	9.750
	Costruzione di parcheggi scambiatori a servizio del trasporto pubblico urbano	3.120
	Pulizie strade con nuovo sistema sweepy jet	650
	Implementazione piattaforma integrata di gestione del traffico	46.700
	Fleet pubblica TPI	8.370
	Parco veicoli comunali	6.000
	Sviluppo della mobilità elettrica	2.700
PUBBL CO	AZ ONF	
	Riciclaggio edifici pubblici	5.013
	SuperPI	4.202
	Sanità in classe A+	14.000
	Green BAY	1.000
	Mini hydro Arno: energia elettrica dall'Arno	5.000
	Illuminazione pubblica	3.551
	Sostituzione lanterne impianti semaforici	535
	Sostituzione nei cimeli comunali delle lampade votive a incandescenza con lampade a led	875
	Firenze open lab	nc
	Invasori botaniche	356
GESTIONE TERRITORIO	AZ ONI	
	Volumi zero	80.123
	Interventi per l'ammocciamento del parco caldaie sul territorio comunale: FAL LA CASA GIUSTA	49.948
	Calda accoglienza	20.417
	Commercio a 5 stelle	35.961
	Liscia, gassata o ...fiorentina?	12
	Casa di risparmio	28.207
	...e quindi uscimmo a rivedere le stelle!	9.769
	TOTALE RIDUZIONE PREVISTA	511.979

**28 actions
- 21,5% CO₂
at 2020
baseline 2005**



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EDIFICI, ATTREZZATURE/IMPIANTI E INDUSTRIE	2005	2010	differenza	2014	differenza	2017	
Edifici, attrezzature/impianti comunali	29992,55	22212,58244	-25,9%	26008,48526	-13,3%	20753,24599	-30,8%
Edifici, attrezzature/impianti terziari (non comunali)	683343,81	481244,0515	-29,6%	628963,6086	-8,0%	476193,7239	-30,3%
Edifici residenziali	771044,61	458305,6394	-40,6%	427416,564	-44,6%	362861,8008	-52,9%
Illuminazione pubblica comunale	13138,80	11061,10846	-15,8%	13477,52359	2,6%	9118,395774	-30,6%
Industrie (escluse le industrie contemplate nel Sistema europeo di scambio delle quote di emissione – ETS)							
Totale parziale edifici, attrezzature/impianti e industrie	1661753,80	1199607,909	-27,8%	1293264,319	-22,2%	1024295,753	-38,4%
TRASPORTI							
Parco auto comunale	3604,11	1470,67	-59,2%	804,0371	-77,7%		
Trasporti pubblici	37548,79	27972,7	-25,5%	nd		804,0371	-77,7%
Trasporti privati e commerciali	817073,21	580291,4683	-29,0%	566992,1447	-30,6%	nd	
Totale parziale trasporti	858226,11	609734,8383	-29,0%	606011,9185	-29,4%	566992,1447	-30,6%
Totale	2519979,91	1809342,747	-28,2%	1899276,238	-24,6%	606011,9185	-29,4%
						1630307,672	-35,3%

the roadmap at 2050
2020 target: SEAP
-21%CO2 emission
already achieved -35%



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SECAP



CoME EASY's overall objective is to promote, facilitate and extend the engagement of local public authorities in setting up and implementing sustainable and effective energy efficiency and climate action plans according to EU targets by applying a combination of synergistic supportive tools and initiatives and accompanying more and more tuned municipalities in their 2030 performance.



developing SECAPs
(including Emissions Inventories,
KPIs dashboard, best practices library)

The CoME EASY project will provide municipalities with supporting tools for developing, monitoring and achieving their goals on energy and climate policy.





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2030



people

set of actions
integrating SEAP
- 40% greenhouse
gas-reduction
baseline 2005



transport

urban planning



building



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Latest generation public fleet



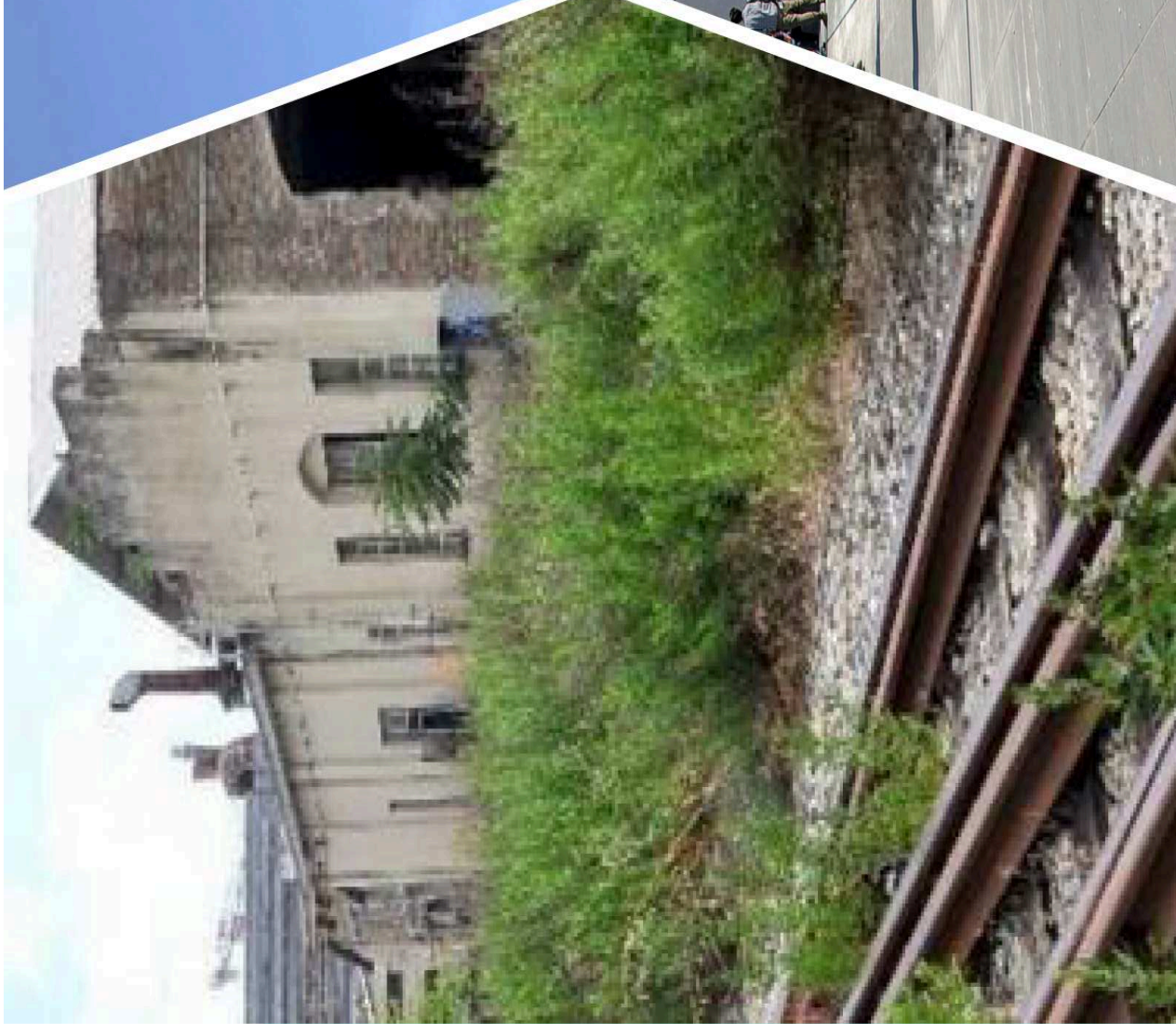


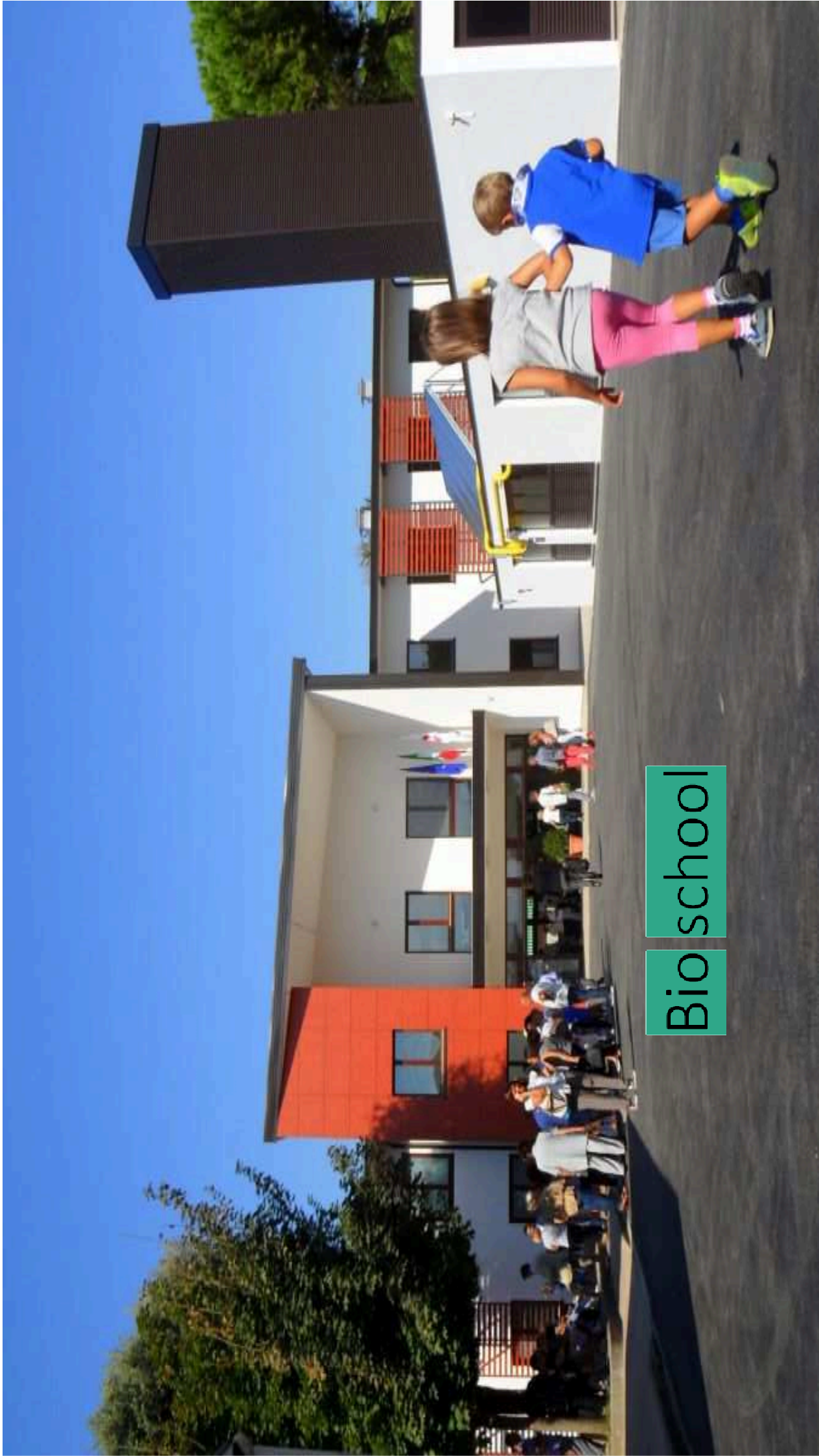
Smart lighting

#FIRENZE CAMBIA LUCE

“ZERO VOLUME CITY”

An example:
Parco della Musica,
Florence’s New Opera House:
from an unused industrial
district to a cultural hotspot





Bio school

E-taxi fleet





Urban planning:
smart city control room

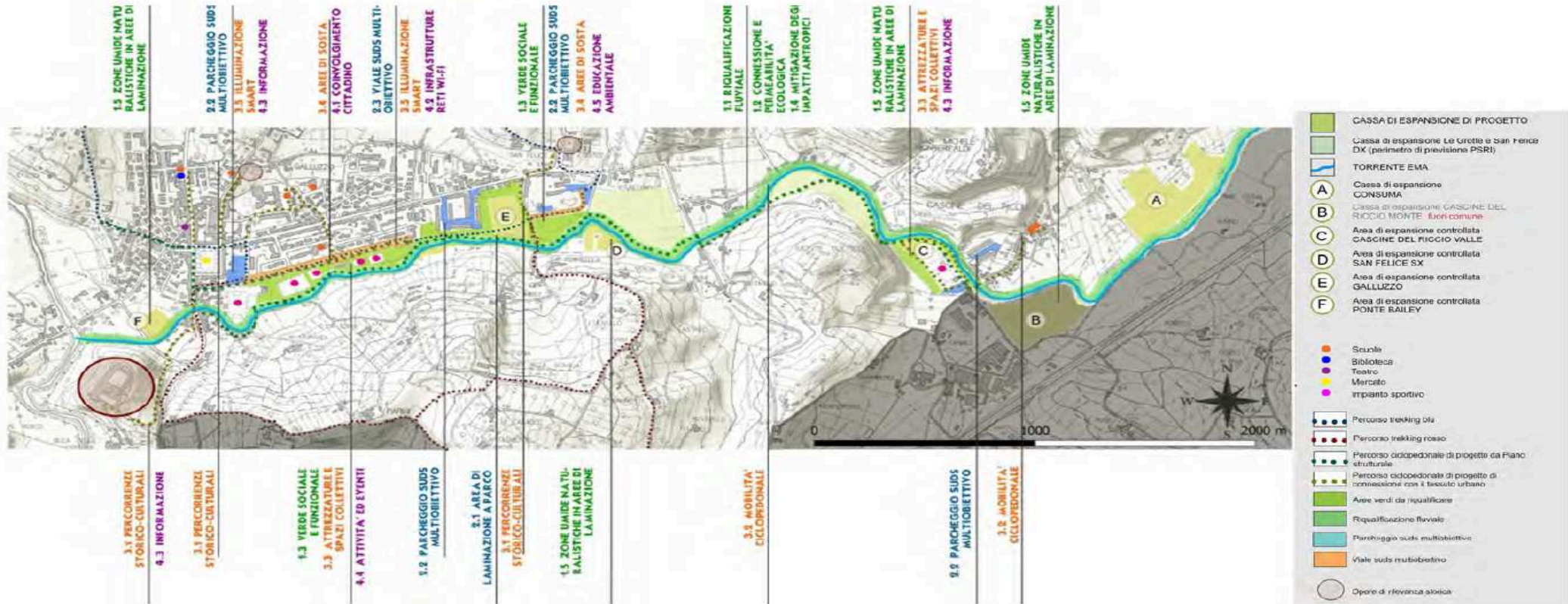
Smart grid



Energy efficiency

solar panels







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*Thank
you
for
your
attention*



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