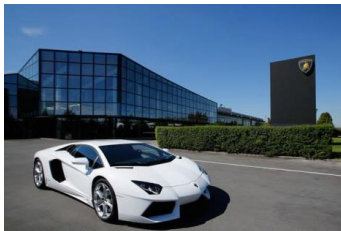




Bologna: Circular Economy and the new Metropolitan Agenda for Sustainable development

Bologna Metropole

Bologna is...



Bologna
UNESCO
City of Music

... and more

- ✓ 1M inhabitants (the population has been growing steadily over the past 15 years)
- ✓ A strategic hub for freight and passenger flows
- ✓ Famous since the 17th century for its food industry and culinary arts
- ✓ A global reference for the cooperative movement, and civic engagement
- ✓ Motor and packing valley
- ✓ Technical culture
- ✓ Big Data & Industry 4.0
- ✓ *Towards a smart and sustainable city*

Bologna & ICITY RATE2018

POSIZIONI NELLE GRADUATORIE ICR 2018 DELLE TRE CITTÀ LEADER				
AMBITI	MEDIA TOP 3	CITTÀ		
		Milano	Firenze	Bologna
RANKING TOTALE 2018	2,0	1	2	3
TRASFORMAZIONE DIGITALE	2,0	3	1	2
OCCUPAZIONE	2,3	2	4	1
ISTRUZIONE	3,0	4	3	2
ATTRATTIVITÀ TURISTICO-CULTURALE	4,0	2	1	9
PARTECIPAZIONE CIVILE	4,3	7	5	1
MOBILITÀ SOSTENIBILE	5,0	1	2	12
SOLIDITÀ ECONOMICA	5,0	1	3	11
ENERGIA	5,7	10	6	1
RICERCA E INNOVAZIONE	13,0	1	35	3
INCLUSIONE SOCIALE	15,0	30	12	3
VERDE URBANO	16,7	15	21	14
SICUREZZA E LEGALITÀ	43,0	42	30	57
RIFIUTI	44,7	47	53	34
SUOLO E TERRITORIO	48,3	76	36	33
ACQUA E ARIA	76,7	96	79	55

FIRST for:

- PARTICIPATION
- EMPLOYMENT
- ENERGY

OVERALL result: 3rd

Sustainability

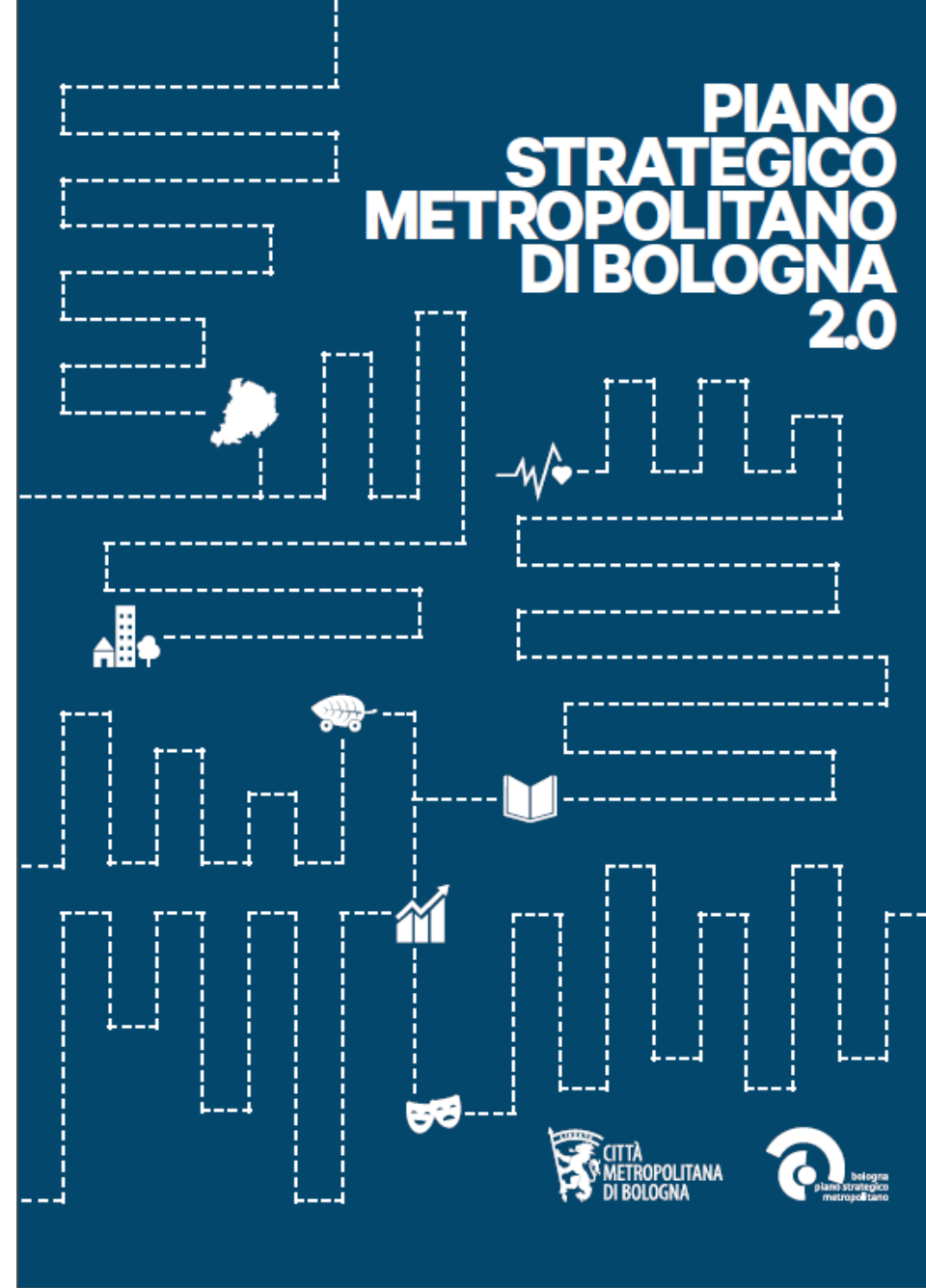
environmental quality improvement,
social well-being of individuals,
economic and job opportunities

Inclusiveness

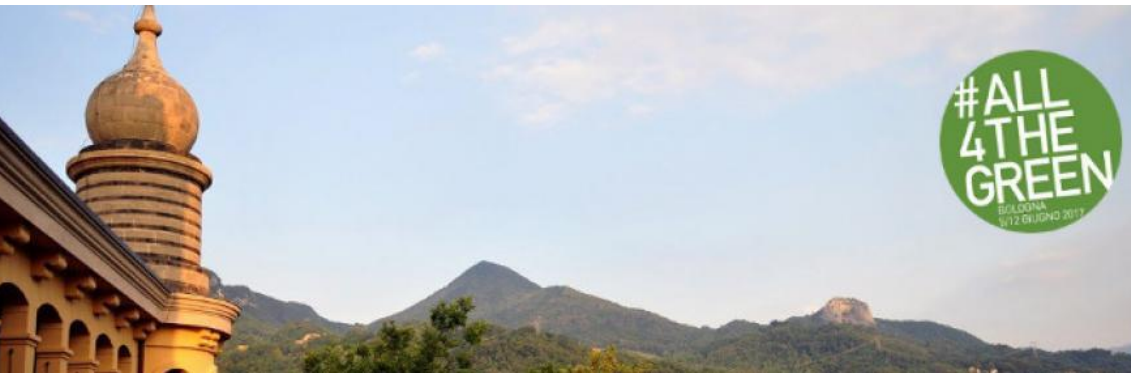
Give voice and visibility to the peculiarities
of every territory, place, community,
transforming the differences in shared
heritage of all.

Attractiveness

Do not fear the new, the
unexpected, the different,
open up to new residents, workers,
entrepreneurs, students, visitors.



The Bologna's Chart for Environment



G7 Environment 2017

Agenda 2030

13 Italian Metropolitan Cities

8 Macro Objectives



The Metropolitan Sustainable Agenda - 2019



https://www.cittametropolitana.bo.it/portale/agenda_sviluppo_sostenibile

Emilia-Romagna Circular Economy law (No. 16/2015)

- Punctual pricing by 2020
- Territorial agreements in the supply chain:
- Prevention in the production of waste in the GDO (large-scale distribution)
- Increase in the separate collection of RAEE (Waste of electrical and electronic equipment)
- Reduction of waste production during cultural and sporting events
- Closing of the plastic recovery cycle within the regional territory
- Incentive fund for virtuous management
- Permanent coordination for by-products

- Six by-products currently considered (apricot kernels, peachpits, saltfor saltingmeats, blackliquor, green residues of corn, ceramic production residues)

Hera among the world's circular economy leaders

- **CHANGE THE ENDING:** collection and re-use of bulky waste in a good condition
- **FARMACOAMICO:** collects medicines with an adequate conservation state
- **CIBOAMICO:** project against food waste, that allows the collection of meals prepared but not consumed at the 5 Hera canteens
- **BIOGAS:** plant linked to a composting site
- **Aliplast:** first company in Italy to integrate the full lifecycle of plastics
- **The Wasteologist:** free app to simplify the way separate collection is done
- **RICICLANDINO:** project dedicated to schools
- **Re-Art!:** recycling waste to art



Bio-on S.p.a.: from intellectual property company to production

Produces and sells polyhydroxyalkanoates (PHAs) from renewable sources or agricultural processing waste materials worldwide.

The company offers MINERV-PHA, a high-performance PHA biopolymer product for use in biomedical, packaging, design, clothing, and automotive applications.

In 2018 the economic results of Bio-on have increased fivefold



REGENESI: post consumer luxury

First lifestyle brand to invest 100% in sustainability.

International, high profile designers.

Aluminium, leather, plastic, cardboard and rubber; raw materials regenerated with novel processing techniques.

Carefully made by hand by skilled Italian craftsmen, produced beautifully, with full respect for man and the environment.



Thank you!

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