

Annexes

Original

Annexes / Battistoni, Chiara; GIRALDO NOHRA, Carolina. - STAMPA. - Systemic Design Method Guide for Policymaking: a Circular Europe on the way. Volume 1:(2017), pp. 145-177.

Availability:

This version is available at: 11583/2696472 since: 2018-01-10T11:46:31Z

Publisher:

Umberto Allemandi

Published

DOI:

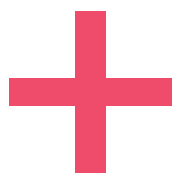
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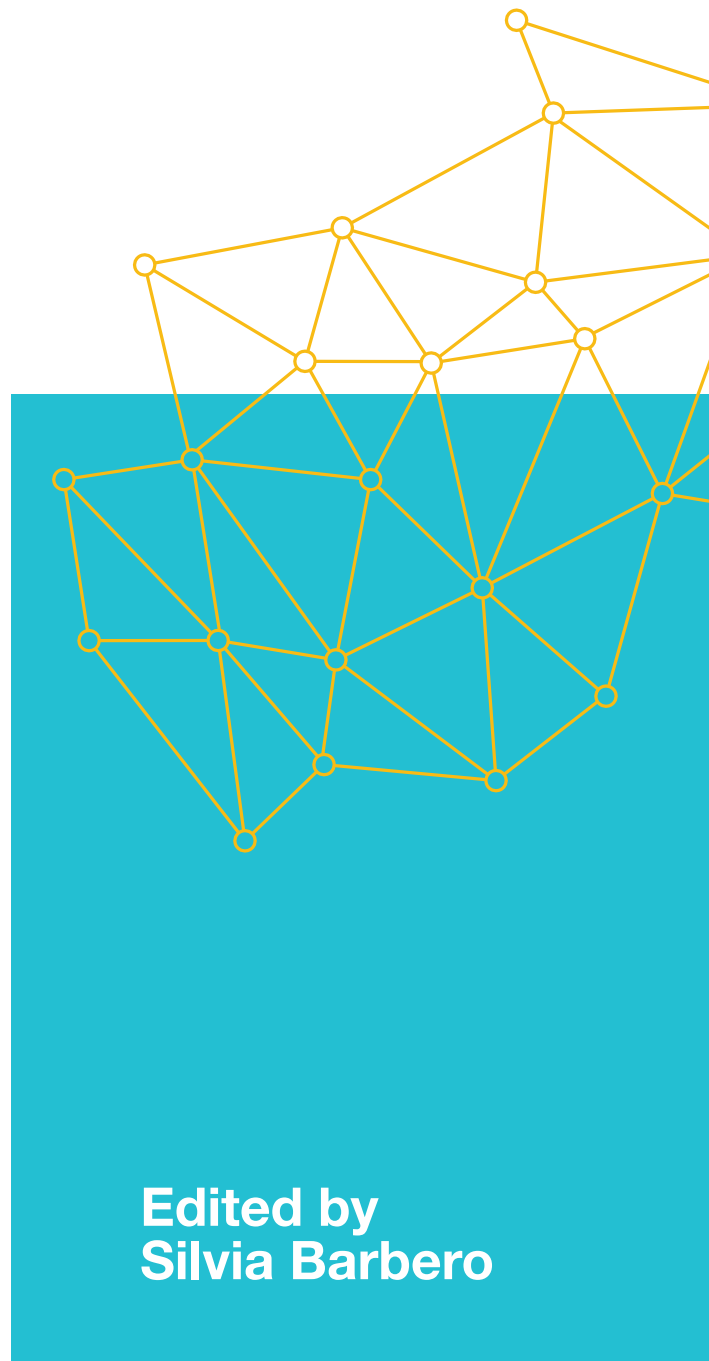
retrace



Systemic Design Method Guide for Policymaking:

A Circular Europe
on the Way

volume 1



Edited by
Silvia Barbero

Allemandi



SYSTEMIC DESIGN
METHOD GUIDE
FOR POLICYMAKING
A Circular Europe on the Way

EDITED BY
SILVIA BARBERO

Allemandi

SYSTEMIC DESIGN METHOD GUIDE FOR POLICYMAKING: A CIRCULAR EUROPE ON THE WAY

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Government Office for Development and European Cohesion Policy (Slovenia)

North-East Regional Development Agency (Romania)



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First Edition

ISBN 978-88-422-2444-0

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PRINTED IN TURÍN IN THE MONTH OF SEPTEMBER 2017
FOR THE UMBERTO ALLEMANDI PUBLISHING HOUSE

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This publication is possible thanks to the support of Interreg Europe and the European Regional Development Fund (ERDF) in the RETRACE Project.

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This publication reflects the authors' views only and the Interreg Europe programme authorities are not liable for any use that may be made of the information contained therein.

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Annexes

Italy

PIEDMONT



TOTAL AREA: **2.538.700 ha**

2010



Mountains **43,3%**

Hills **30,3%**

Flat area **26,4%**

Artificial area: **183.082 ha** **7%**



geography

T.A.A (Total Agricultural Area): **1.299.007 ha**

51%

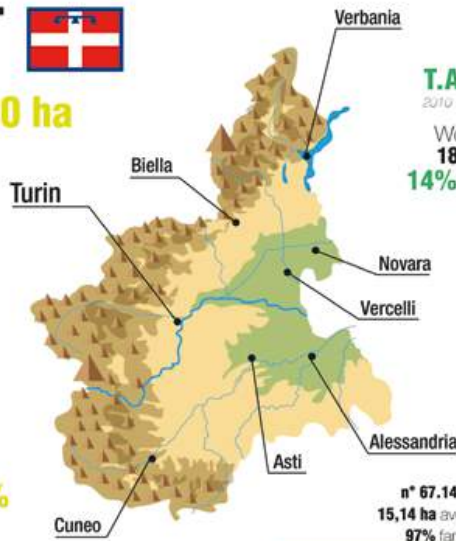
Woods area **181.850 ha**



Not used area **78.000 ha**



Arboriculture **26.000 ha**



Agriculture area (U.A.A.) **1.013.157 ha**

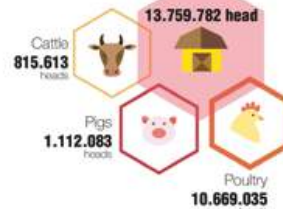
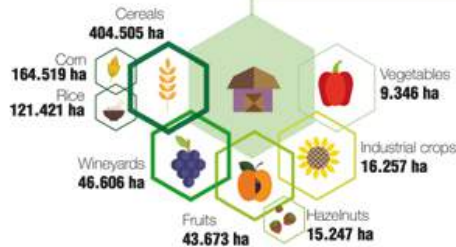


Area for pasture **371.350 ha**



n° **67.148** Crop Farms
15,14 ha average (U.A.A.)
97% family managed

n° **19.724** Breeding Farms
n° 52 head average
97% family managed



Italy

PIEDMONT

Population (inhabitants)

4.424.467

2015

density of population

171,8 hab/kmq

2011



demography

family composition

2,2 Average number of people in a family

2013

TOTAL FAMILY UNITS **1.953.360**

2011

MAIN CATEGORIES

591.709



374.659

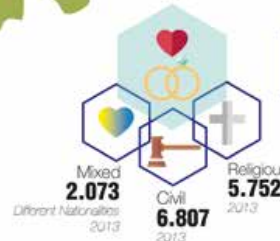
marriage

Marriages **12.599**

2013

Divorces and separation **12.152**

2012



+ 0,9 Mortality variation last 30 years



46,2 Average age of population 2014



30,1 Average age at which young people leave parents' house (Italy)



- 0,3 Nativity variation last 30 years



152 Child adoption 2013

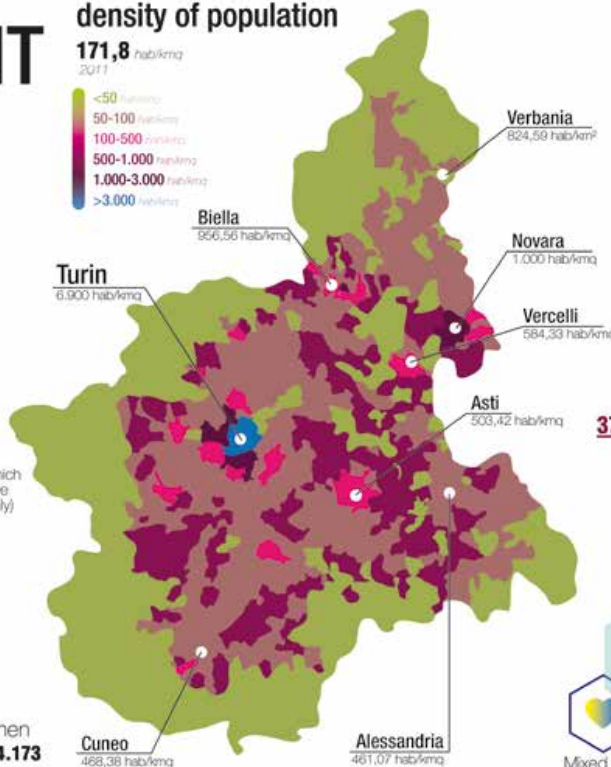


Men **2.140.294**

2015

Women **2.284.173**

2015



Verbania **824,59 hab/kmq**

2011

Biella **956,56 hab/kmq**

2011

Turin **6.900 hab/kmq**

2011

Novara **1.000 hab/kmq**

2011

Vercelli **584,33 hab/kmq**

2011

Asti **503,42 hab/kmq**

2011

Cuneo **468,38 hab/kmq**

2011

Alessandria **461,07 hab/kmq**

2011

Italy PIEDMONT

demography

employment

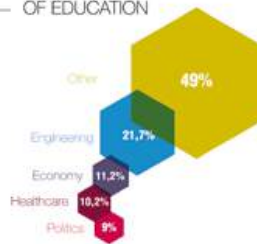
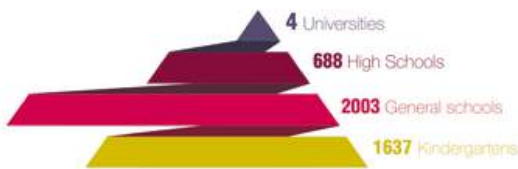


education

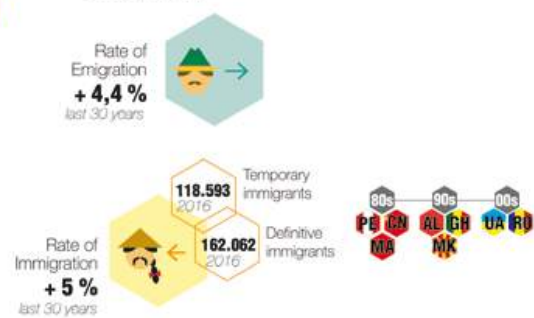
SCHOOLING RATE
41%
2013

VOCATION OF EDUCATION

NUMBER OF EDUCATION LEVELS & UNITS



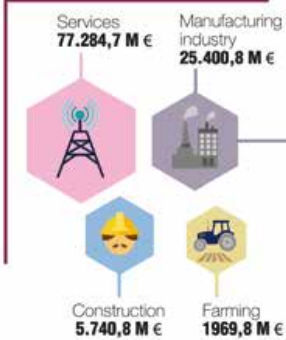
migration



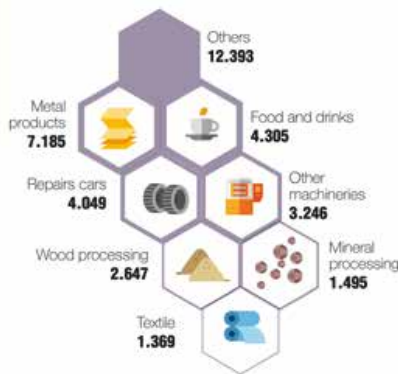
Italy PIEDMONT

economy

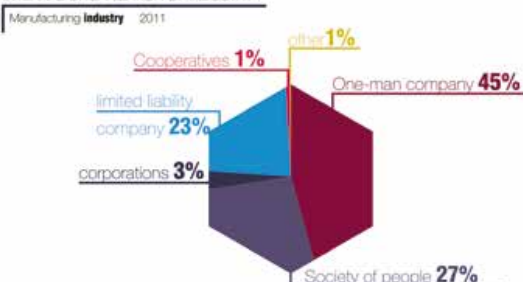
MAIN ECONOMIC / INDUSTRIAL SECTORS



MANUFACTURING INDUSTRY 36.689 UNIT



INTERNAL ORGANIZATION OF INDUSTRY



NUMBER OF INDUSTRIES



Italy PIEDMONT

influences



culture

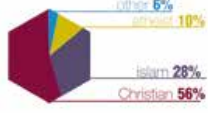
traditions by season



languages



religion



sport



notable residents

industrial- politician- religious



folklore

instruments



authors - musician- artist



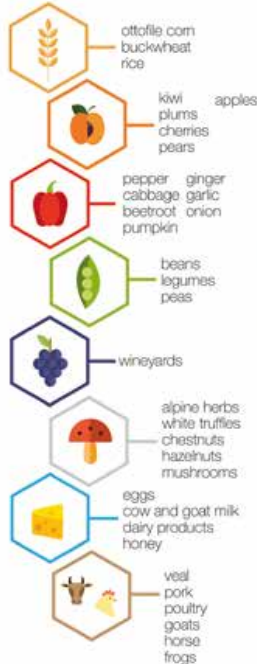
dances



Italy PIEDMONT

culture gastronomy

food resources



traditions

MERENDA SINOIRA (afternoon snack): bread, salami, cheese, fruit, wine.



recipes



Italy

PIEDMONT

architecture
styles/
urban patterns



Landmarks



crafts



culture

craft districts



Italy

PIEDMONT

Torino 1st main city

foundation by Romans
Taurasia
III century B.C.

1st capital of Italy
in 1861-1865

1280
part of Savoy
County

romanic colony
by Augusto
Augusta Taurinorum
in I century B.C.

Middle Ages
center of
Longobardo Duchy

population
890.529
2015

Women
466.848

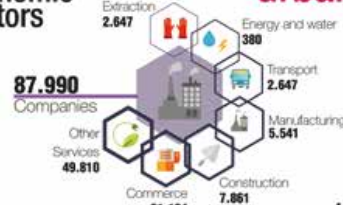
Men
423.681

Immigrants
rate 81,5

universities

2
University of Torino
Politecnico di Torino

economic sectors
2013



urban centres

326.214
employees

cultural events



main infrastructures



churches
catholics



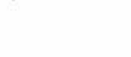
Arcades



Mole Antonelliana



river Po and parks



the holy shroud



Porta Susa



Superga Basilica



Italy PIEDMONT Novara

2nd city of Piedmont for population
founded by Celts in **89 B.C.**

domain by:
Romans;
Longobard;
Visconti; Sforza;
Habsburg Empire;
Savoia; Austrian

Located between Vercelli and Milano

104.380
2015
population



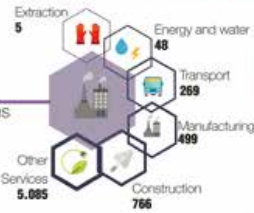
universities

1
university pole
Perrone



economic sectors 2013

8.668
Companies

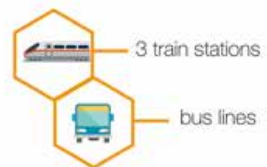


urban centres

32.053
employees

cultural events

main infrastructures



churches catholics

Italy PIEDMONT Alessandria

long siege by imperial forces
Founded in **XII century**

domain by:
Romans;
Visconti,
Milano duchy;
French; Austrian;
Savoia

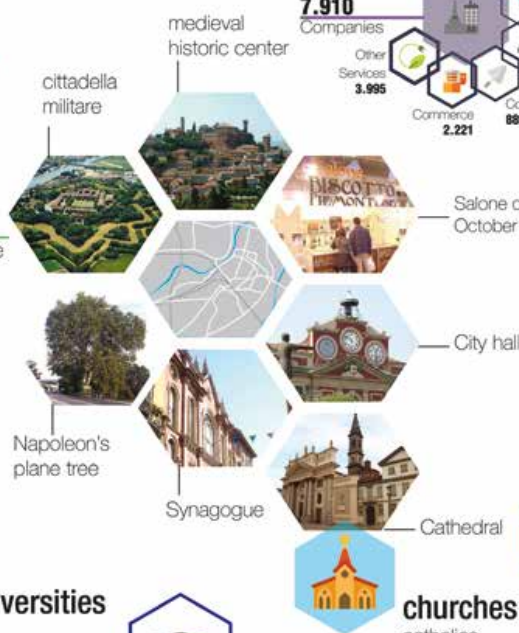
battle of Marengo
strategic position:
at the center of triangle
Torino-Milano-Genova

93.943
2015
population



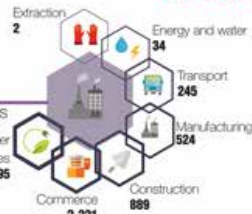
universities

2
Piemonte orientale
Politecnico di Torino



economic sectors 2013

7.910
Companies

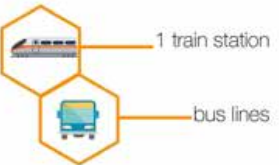


urban centres

29.385
employees

cultural events

main infrastructures



churches catholics

Italy PIEDMONT Asti

Founded by Romans
1935 detached from Alessandria province

domain by: Romans; Longobard; Napoli; Orleans; Savoia
in the middle of wine hills, heart of Piedmont

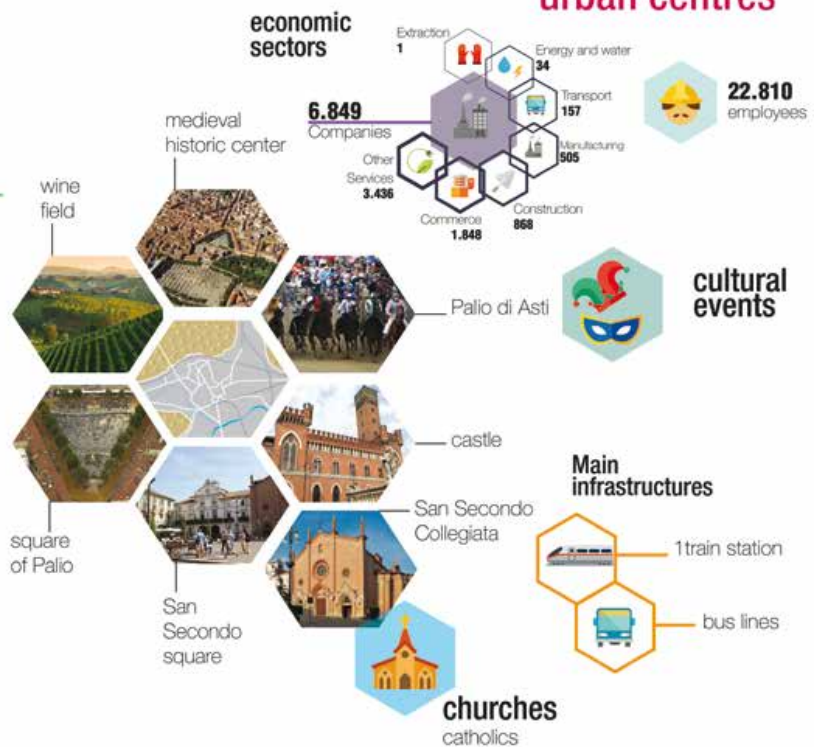
population

76.202 (2015)

Women 39.887

Men 36.315

Immigrants rate 103.7



Italy PIEDMONT Cuneo

come from carolingia city Auriate
Partisan center
was capital of 'piemonte provenzale'

domain by: Angioini; Romans; Visconti; Savoia; French-spanish

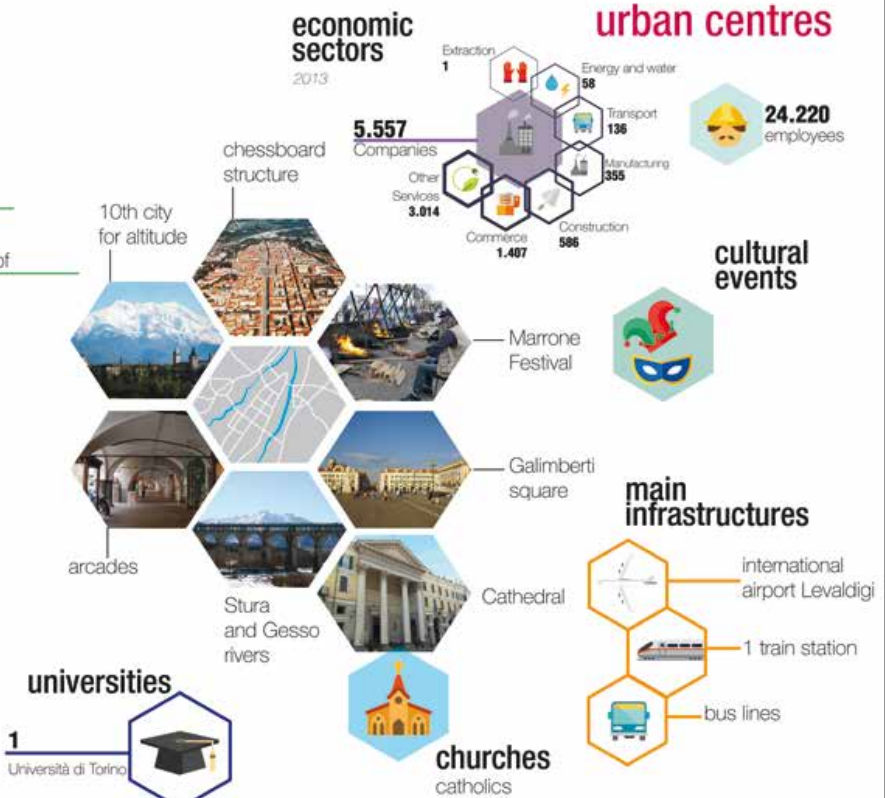
population

56.081 (2015)

Women 29.273

Men 26.808

Immigrants rate 91.8



Italy PIEDMONT Vercelli

founded by Celts,
Wehr-Celt

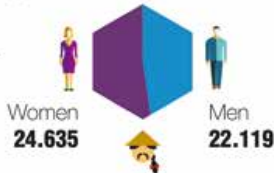
stop on the way
of via francigena

domain by:
Romans;
longobard;
Visconti;
Savoia;
Spanish

European
capital of rice

46.754
2015

population



Immigrants
rate **72,2**

universities

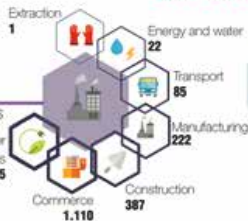
1 Piemonte orientale



economic
sectors
2013

3.902
Companies

Other
Services
2.075



urban centres

12.277
employees

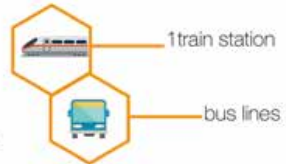
cultural
events



La Panissa vercellese
Sagra d'la Panissa

museum
Arca

main
infrastructures



synagogue

Basilica
Sant'Andrea

churches
catholics

Italy PIEDMONT Biella

Foundation
826

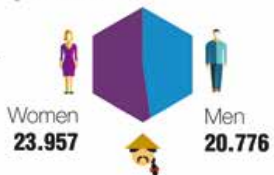
important place
for the industrial
revolution after
the war with Piaggio

domain by:
Romans;
Longobards,
French;
Savoia

First modern
wool factory

44.733
2015

population



Immigrants
rate **52,6**

universities

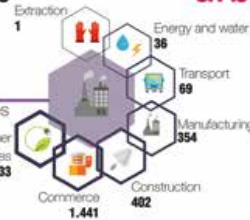
1 campus
University of Turin
Politecnico di Torino
Università del Piemonte Orientale



economic
sectors
2013

5.536
Companies

Other
Services
3.233



urban centres

18.759
employees

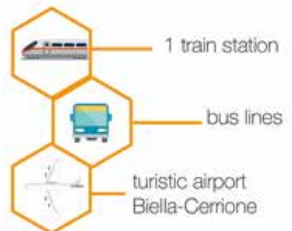
cultural
events



Biella Festival Autori
October

funicular

main
infrastructures



Santuario
Oropa

Baptistry

Cathedral

churches
catholics

Italy PIEDMONT Verbania

created in **1939**,
from the
merger of
Intra+Pallanza

the garden
on the lake

In **1944**, massacre
of 44 partisans

30.961
2015

population



economic
sectors
2013

urban centres



18.759
employees

view to the
lake Maggiore

City hall

LetterAItura
June

cultural
events

botanic
garden
Villa Taranto

main
infrastructures

Museo del
paesaggio

train stations

Borromeo
Palace

San Remigio
church

bus lines



churches
catholics

PIEDMONT Italy

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consultation date: from september 2016 to december 2016

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Map: reproduction of the map retrieved from <http://relazioneambiente.piemonte-gov.it/2015/11/area-impieghi-istat-qualita>

economy

database Asis from Istat, national institute of statistics (<http://www.istat.it/piemonte>)
data from chamber of commerce (www.b.ccom.com.it)
data from Piedmont Region and regional clusters

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culture

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www.istat.it
www.sapori.it
www.piemontetourbook.it
www.regione.piemonte.it
www.osservatorioagricoltura.it

urban centers

database Asis from Istat, national institute of statistics (<http://www.istat.it/piemonte>)
data received from chamber of commerce

www.wikipedia.it
<http://piemonte.it/regione/la-regione>
www.turistica.it
www.rup.piemonte.it

Spain - Basque Country

BISCAY

TOTAL AREA: **221.232 ha**

geography



Mountains **40%**
Hills **40%**
Flat area **20%**

Woods area **158.988 ha**
72%

Water **1.286 ha**
0,6%

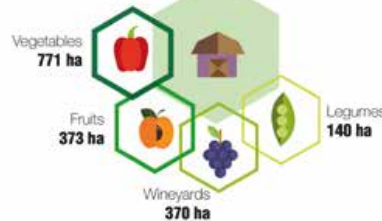
Agriculture area (U.A.A.) **42.936 ha**
14.4%

Not used area **24.884 ha**

Area for pasture **40.443 ha**

n° **7.049** Crop Farms
3,94 ha average
62% one man company

n° **8.503** Breeding Farms
107 head average
62% one man company



Spain - Basque Country

BISCAY

Population (inhabitants)
1.141.442
2015

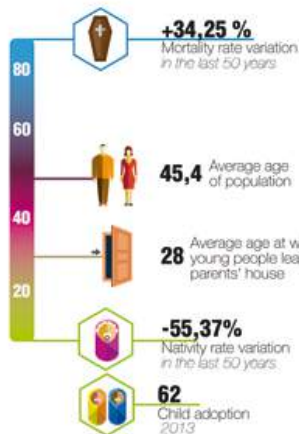
density of population

515,36 hab/kmq
2015



Bilbao demography

8.331,11 hab/kmq



Men **549.984**
2015

Women **591.458**
2015

family composition

-5,9 Average number of people
in a family
variation in the last 50

TOTAL FAMILY UNITS **551.600**

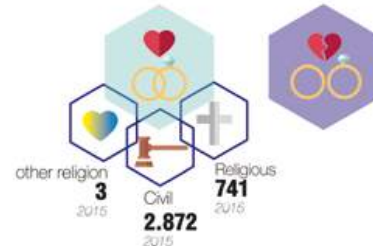
MAIN CATEGORIES



marriage

Marriages **3.616**
2015

Divorces **1.764**
2013



Spain - Basque Country BISCAY

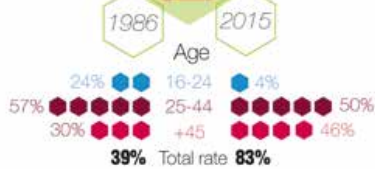
demography

employment

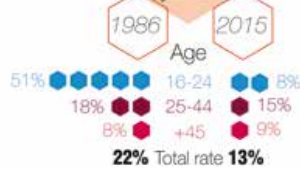
463.009 employees 2015



Variation of total employment Working age



Variation of total unemployment Working age



Average income / Month per job type



Average income per Age 2013

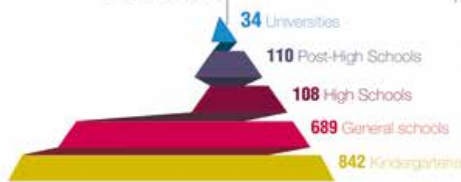


education

SCHOOLING RATE

-26,95% 1981-2014

NUMBER OF EDUCATION LEVELS & UNITS

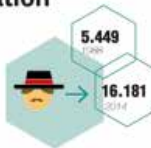


VOCATION OF EDUCATION



migration

Rate of Emigration +197% last 30 years



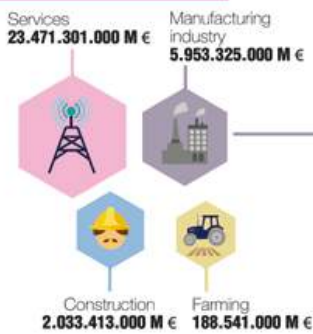
Rate of Immigration +511% last 30 years



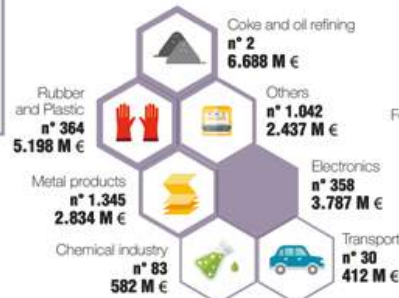
Spain - Basque Country BISCAY

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS



MANUFACTURING INDUSTRY 80.321 UNIT

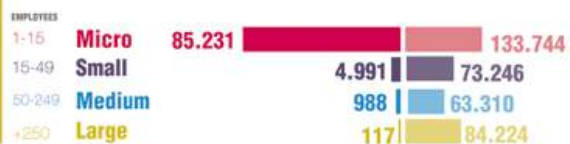


INTERNAL ORGANIZATION OF INDUSTRY

Manufacturing industry 2015



NUMBER OF INDUSTRIES MANUFACTURING SECTORS 2015



NUMBER OF EMPLOYEES MANUFACTURING SECTORS

Spain - Basque Country

BISCAY

architecture



museums

- Guggenheim Museum Bilbao
- Bilbao Fine Arts Museum
- the Basque Museum
- Bilbao River Maritime Museum
- Archaeological Museum of Bizkaia

crafts



culture

styles/urban patterns



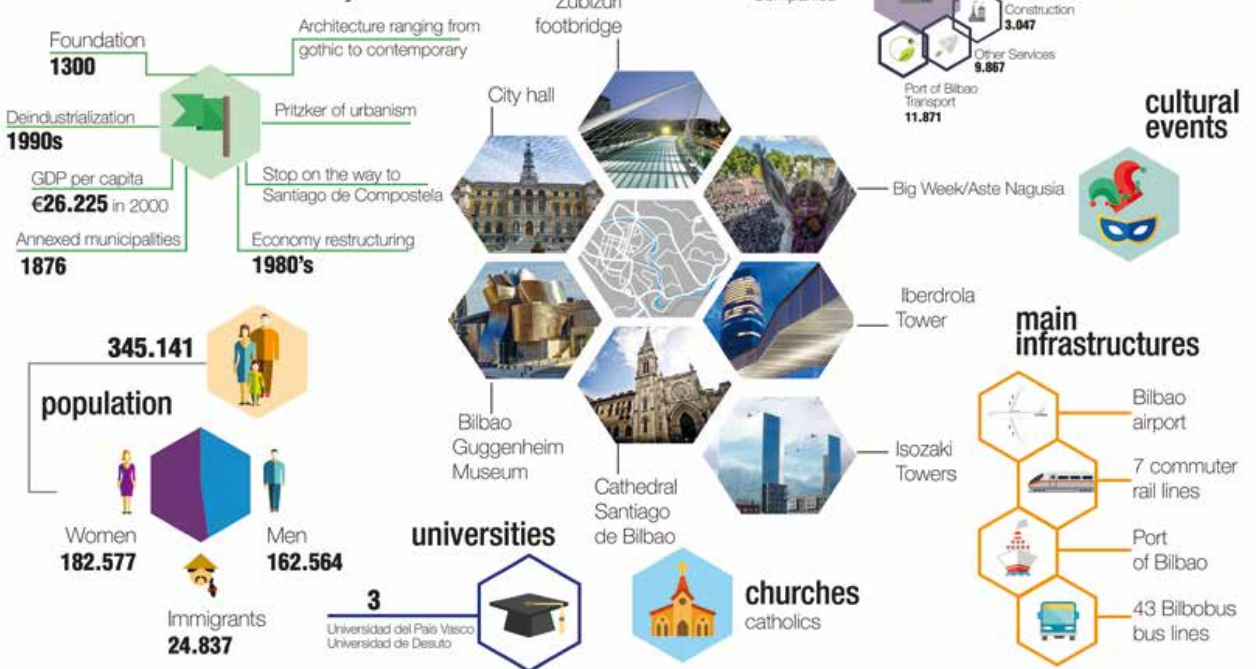
craft districts



Spain - Basque Country

BISCAY

Bilbao 1st main city



Spain - Basque Country

BISCAY

Barakaldo 2nd city

Foundation
1051

Industrial recession
1980's

Developed
as an endpoint
of a mining
railway

from industrial
to core services town

Iron Works Business
major economic activity
XIX/XX century

98.403
population



economic sectors

6.902
Companies

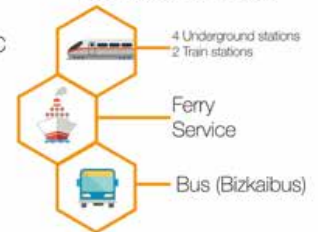


urban centres

28.567
employees

cultural events

main infrastructures



churches
catholics

Spain - Basque Country

BISCAY

Durango 3rd city

Foundation
1300

Economy restructuring
1970's

Heavy Industry
XIX/XX century

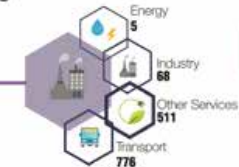
Architecture
Gothic
Neapolitan classic
Baroque
Contemporary

28.899
population



economic sectors

1.951
Companies

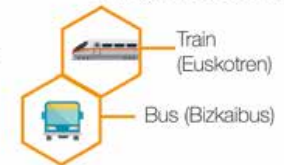


urban centres

7.798
employees

cultural events

main infrastructures



churches
catholics

BISCAY Spain - Basque Country

bibliography /webography

consultation date: from september 2016 to december 2016

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map: interpretation of the map retrieved from www.ksabarna.com

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economy

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urban centers

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France

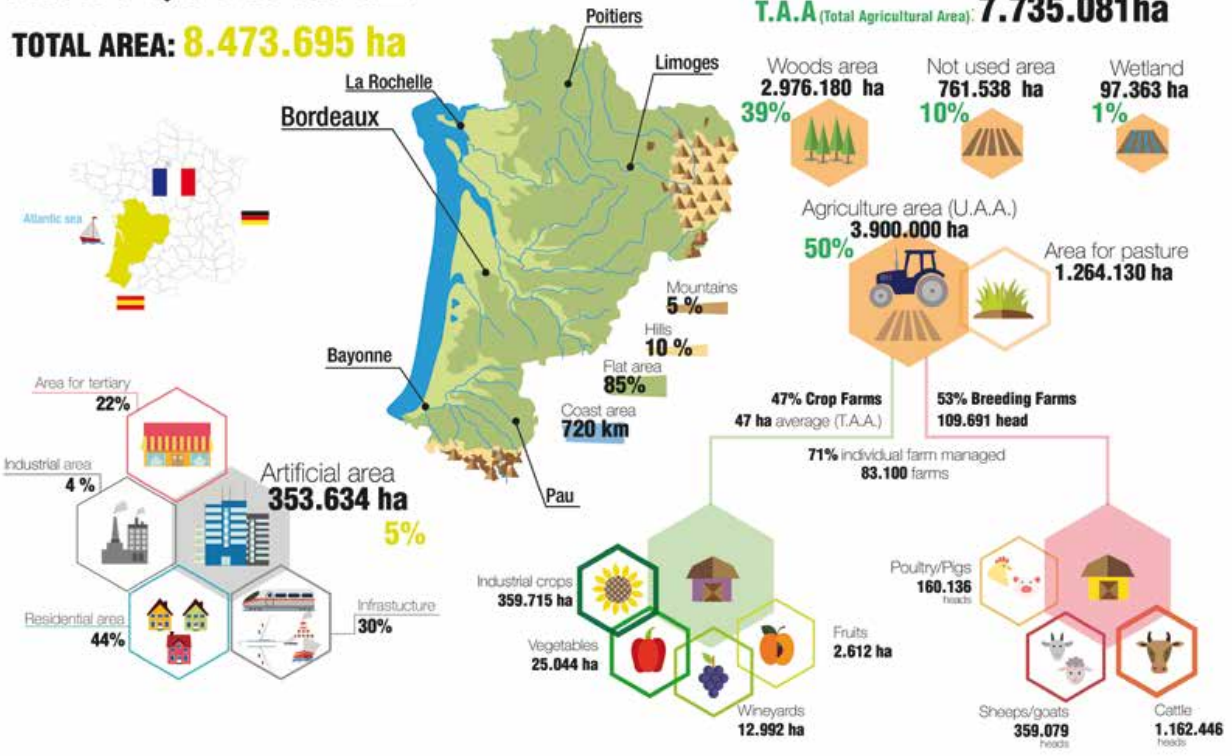
N. AQUITAINE

RÉGION NOUVELLE-AQUITAINE

TOTAL AREA: **8.473.695 ha**

geography

T.A.A (Total Agricultural Area): **7.735.081 ha** ^{95%}



France

N. AQUITAINE

density of population
70
hab/kmq

demography

family composition

2,1 Average number of people in a family

MAIN CATEGORIES

TOTAL FAMILY UNITS: **2.637.685**

Population (inhabitants)
5.844.176
2013

+11.87
Mortality rate variation
2007-2012

43
Average age of population

26
Average age at which young people leave parents' house

-3.9
Natality rate variation
2007-2012

-21%
2006-2014
Child adoption

Men: **2.805.204** (2013)
Women: **3.038.972** (2013)

La Rochelle
2.703 hab/kmq

Bordeaux
4.888 hab/kmq

Bayonne
2.100 hab/kmq

Poitiers
2.119 hab/kmq

Limoges
1.795 hab/kmq

Pau
2.459 hab/kmq

793.161

212.114

637.152

995.258

marriage

Union
37.416
2014

Divorces
11.039
2014

Mixed Different nationalities
10%
2014

Marriage
21.014
2014

Civil solidarity Pact
16.402
2014

France N. AQUITAINE

2.345.400 employees 2015



demography

employment



education

SCHOOLING RATE
90%



VOCATION OF EDUCATION



NUMBER OF EDUCATION LEVELS & UNITS



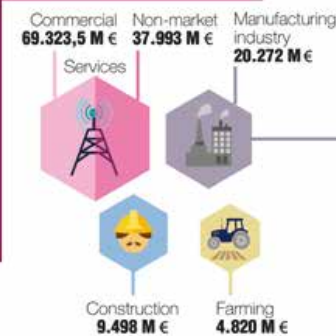
migration



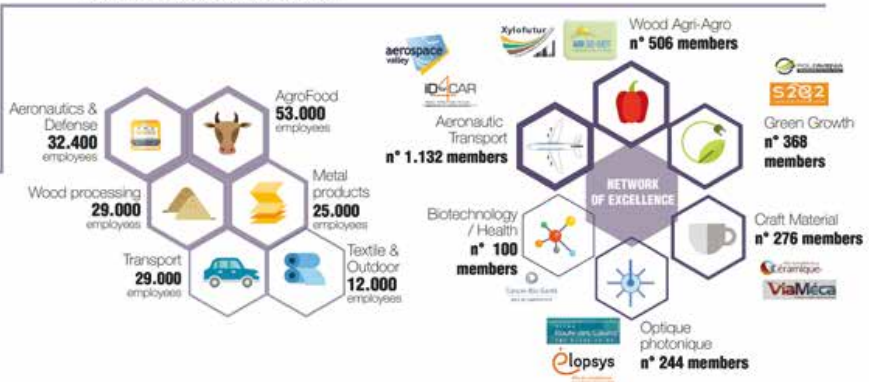
France N. AQUITAINE

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS

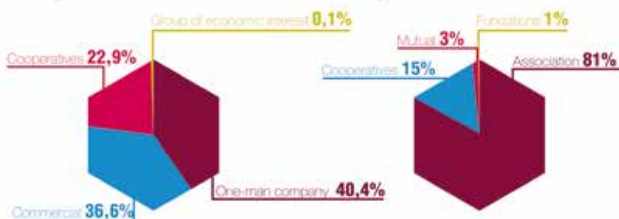


MANUFACTURING INDUSTRY 36.898 UNIT



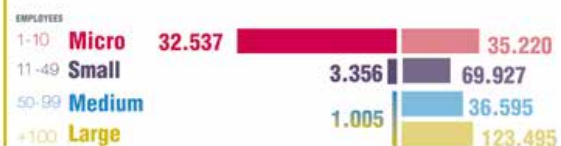
INTERNAL ORGANIZATION OF INDUSTRY

Manufacturing Industry 2016



NUMBER OF INDUSTRIES

Manufacturing Industry 2013



France

N. AQUITAINE

influences



culture

traditions by season



languages



religion



sport



notable residents

industrialist- politician- religious



folklore

instruments



dances



authors - musician- artist

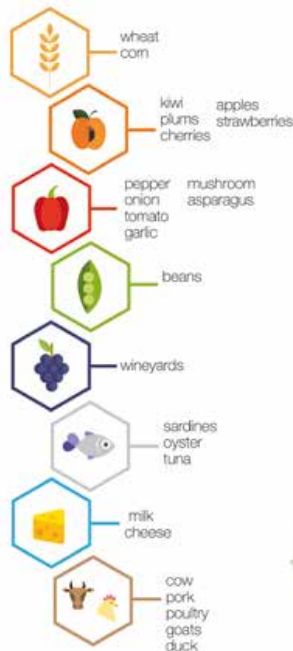


FRANCE

N. AQUITAINE

culture gastronomy

food resources



traditions

Eat Tapas and watch Rugby



recipes



FRANCE

N. AQUITAINE

architecture
styles/
urban patterns

- Roman
Saintes
- Medieval Gothic
Beyonne
Medieval Bastide
- Baroque
Bordeaux
- Neoclassic
La Rochelle map
- Contemporary
Stadium Bordeaux
Casino Biarritz

Landmarks

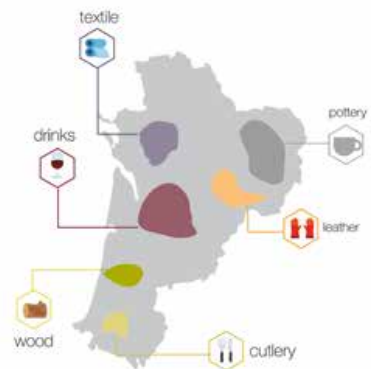


crafts



culture

craft districts



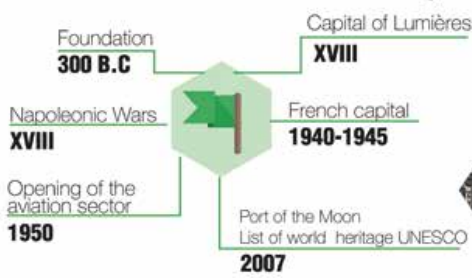
113 museums

- Musée de la mer
- Cité de l'Océan
- Musée du chocolat

France

N. AQUITAINE

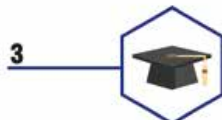
Bordeaux 1st main city



243.626
population



universities



economic sectors

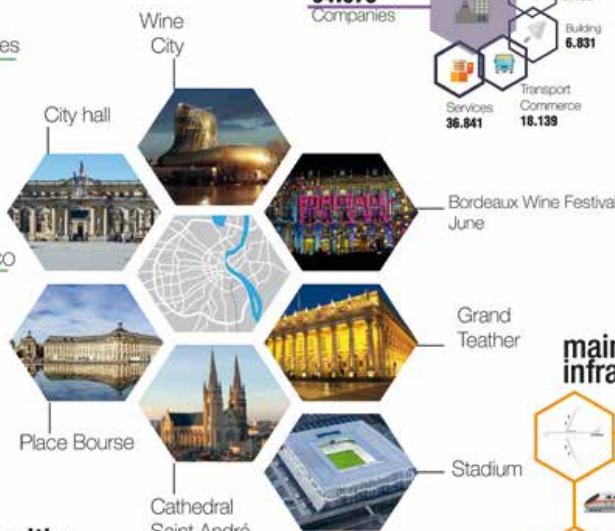
64.976
Companies



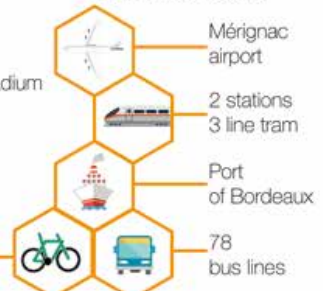
urban centres

319.331
employees

cultural events



main infrastructures

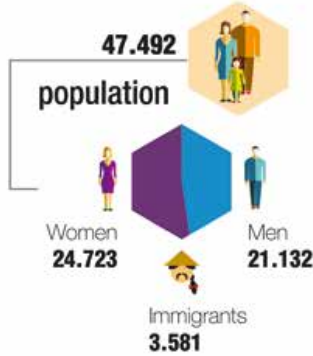
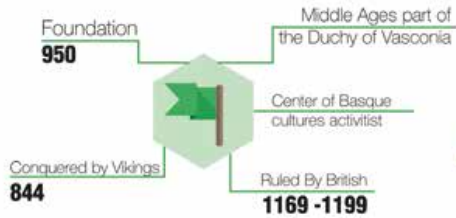


churches catholics



France

N. AQUITAINE Bayonne 2nd city



universities

8



economic sectors

132.499
Companies



urban centres

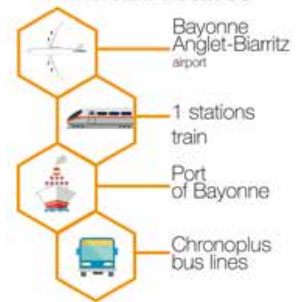


117.082
employees



cultural events

main infrastructures

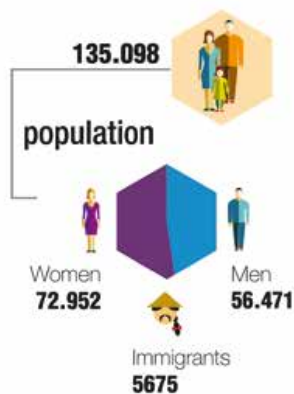
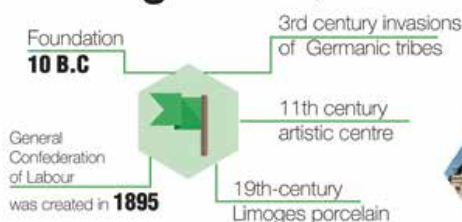


churches
catholics



France

N. AQUITAINE Limoges 3rd city



universities

1



economic sectors

6.778
Companies



urban centres



118.096
employees



cultural events

main infrastructures



churches
catholics



France

N. AQUITAINE Poitiers 4th city

Foundation
1 B.C

Garrison town
XIX century

Hundred Years' War,
Battle of Poitiers
1356

Major university
centre
Industrial
decentralisation
1970s

87.427
population

Women
47.210

Men
33.485

Immigrants
6.731

universities

1
biggest university
town in France

Futuroscope
Park

City hall



Palace of
Poitiers



Church
Notre-Dame
la Grande

economic
sectors

4.151
Companies



103.740
employees

urban centres

Film Festival
December

cultural
events

Baptistère
Sain-Jean

main
infrastructures

Poitier
Airport

TGV
Atlantique

bus lines

churches
catholics

France

N. AQUITAINE La Rochelle 5th city

Foundation
X century

Renaissance
Protestant Orientated

Templars
largest base

Siege of La Rochelle
1627-1628

Largest French harbour
on the Atlantic coast,
until the 15th century

Ruled By British
1360 -1372

Submarine base
WWII

74.344
population

Women
40.145

Men
33.454

Immigrants
745

universities

8

Old
Harbour

City hall



Harbour
Towers



Saint Louis
Cathedral

economic
sectors

6.089
Companies



80.833
employees

urban centres

Les Francofolies
July

cultural
events

Train
Station

main
infrastructures

airport
La Rochelle
Ile de Re

1 train station

3 Ports
Atlantic

bus lines

churches
catholics

Bike-sharing

France

N. AQUITAINE

Pau 6th city

Foundation **12 B.C**

Capital of Béarn **1464**

Winter resort town **1920**

Seat of the Kings of Navarre **1512**

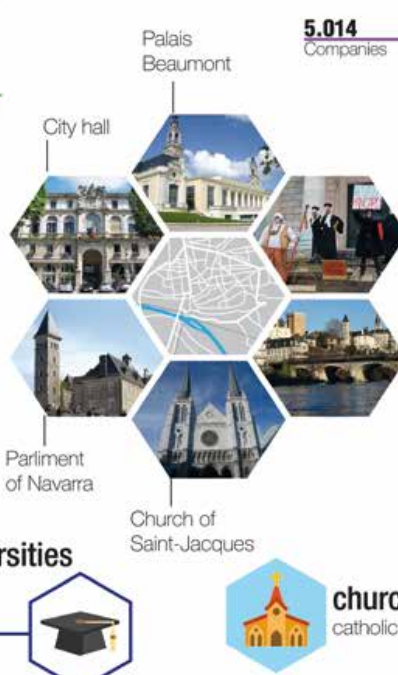
The first balloon/plane flights **1844-1909**

77.575 population

Women **41.890**

Men **35.684**

Immigrants **5674**



urban centres

economic sectors

5.014 Companies

Industry **207**

Building **340**

Public Administration **1.085**

Transport **3.382**

80.833 employees

cultural events

Carnival Biarnés

Pont du XIV Juillet

main infrastructures

Airport of Pau-Pyrénées

TGV Intercity trains

Urban transport IDELIS network

universities

1

churches catholics

N. AQUITAINE France

bibliography /webography

consultation date: from september 2018 to december 2018

geography

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data from CCI Aquitaine 2016, Panorama Web CCI Aquitaine 2015

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Map: elaboration of the map retrieved from: <http://www.pigma.org/>

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data from Panorama CCI AQUITAINE 2016
data from insee Clap 2013
data from CCI ALPC document

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data from ESTIA Partners

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SLOVENIA



TOTAL AREA: **2.073.000 ha**

geography

T.A.A (Total Agricultural Area) **491.414 ha** ^{24%}

Mountains **11%** Flat area **16%** Hills **75%**

Woods area **1.182.016 ha**

Not used area **17.726 ha**

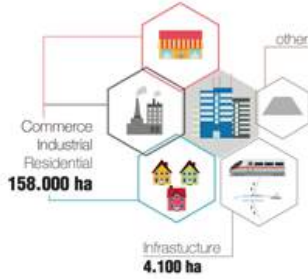
Not fertile land **15.060 ha**



Agriculture area (U.A.A.) **476.682 ha**

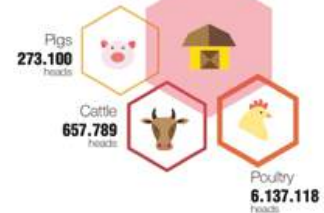
Area for pasture **274.251 ha**

Artificial area: **720.000 ha** ^{35%}



n° 72.377 Crop Farms
6,8 average ha (SAT)
family management

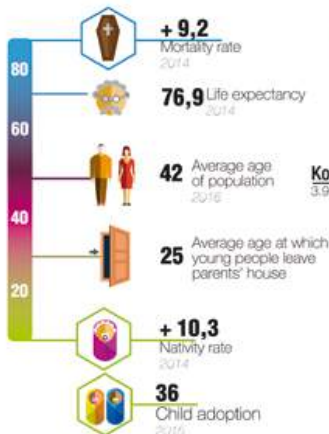
n° 55.814 Breeding Farms
130 head average
n.d. management



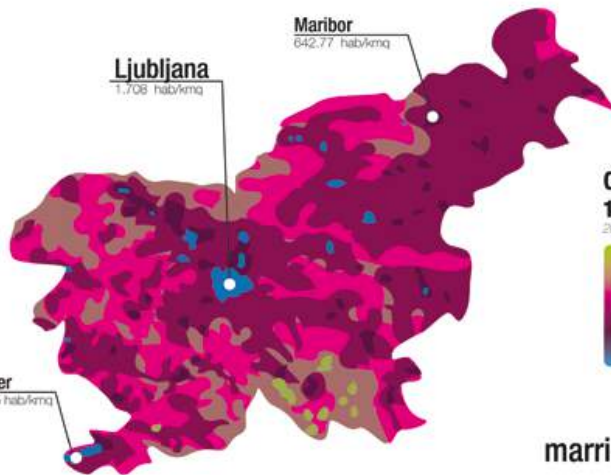
SLOVENIA

Population (inhabitants)
2.064.241
2016

demography



Men **1.023.872** Women **1.040.369**



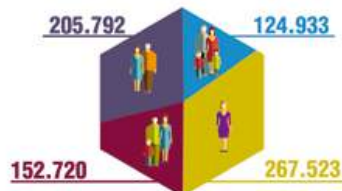
density of population
101,6 hab/kmq
2000



family composition

2,47 Average number of people in a family TOTAL FAMILY UNITS **820.541**

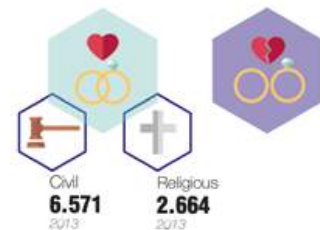
MAIN CATEGORIES



marriage

Marriages **6.571**
2014

Divorces **2.469**
2014



SLOVENIA

demography

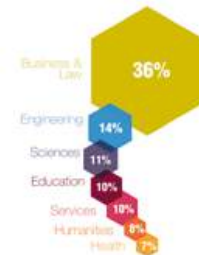
employment



education



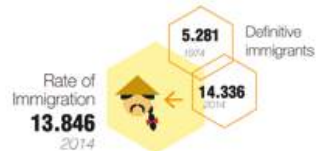
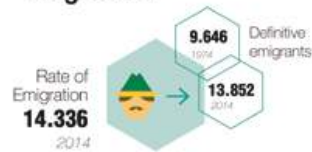
VOCATION OF EDUCATION



NUMBER OF EDUCATION LEVELS & UNITS 2015-2016



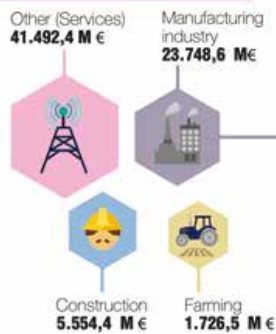
migration



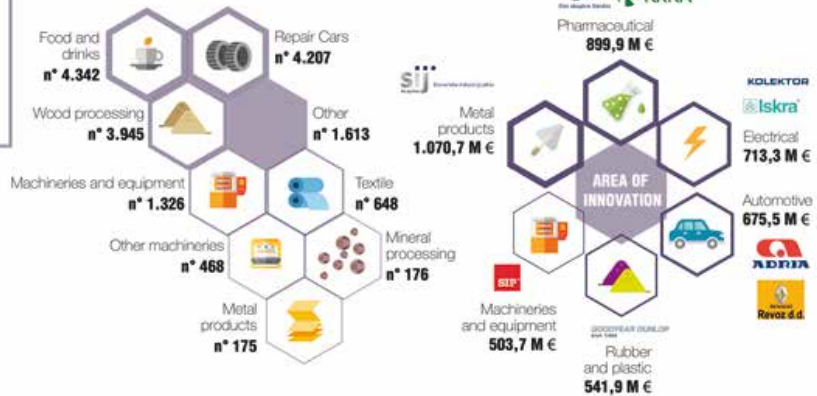
SLOVENIA

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS

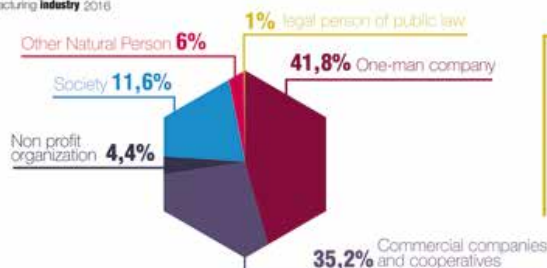


MANUFACTURING INDUSTRY 36.534 UNIT 2014



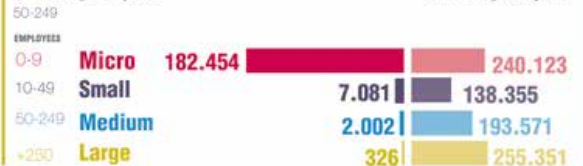
INTERNAL ORGANIZATION OF INDUSTRY

Manufacturing industry 2016



NUMBER OF INDUSTRIES

Manufacturing industry 2014



NUMBER OF EMPLOYEES

Manufacturing industry 2014

SLOVENIA

influences



culture

traditions by season

spring

- cherry feast – Goriška Brda
- carnival
- Palm Sunday
- Easter

summer

- The sheep feast in Jezersko
- 100 women go to Triglav
- Beer and flowers in Laško
- Lent festival in Maribor
- summer music festival

autumn

- The march from Litija
- St. Martin feast in Martinovanje
- The Cow's Ball in Bohinj
- Grape harvest

winter

- prepare a crib
- kolodniki
- Christmas
- New Year's Eve

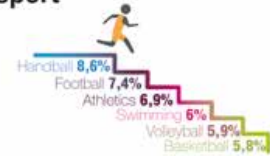
languages



religion



sport



notable residents

industrial- politician- religious



folklore

instruments



authors - musician- artist

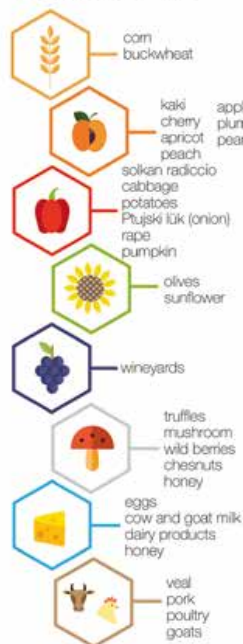
dances



SLOVENIA

culture gastronomy

food resources



recipes



traditions



SLOVENIA

landmarks

3.995 monuments



54 museums

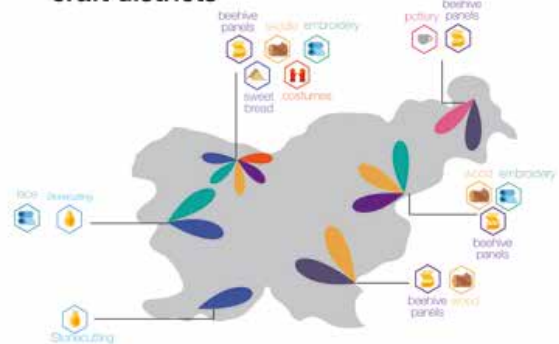
National Gallery
Museum of Modern Art

culture

crafts



craft districts



styles/ urban patterns

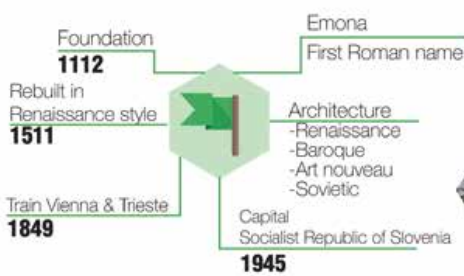


SLOVENIA

Ljubljana 1st main city

economic sectors

urban centres



205.574 employees

cultural events

Summer Festival June

Opera & Ballet Theater

main infrastructures



288.179
population

Women 149.323
Men 138.856

universities

1 University of Ljubljana

churches catholics



SLOVENIA

Maribor 2nd city

Foundation **1204**

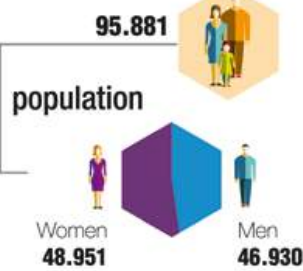
Markburg
First Celtic name

Bombed by the Allies **1945**

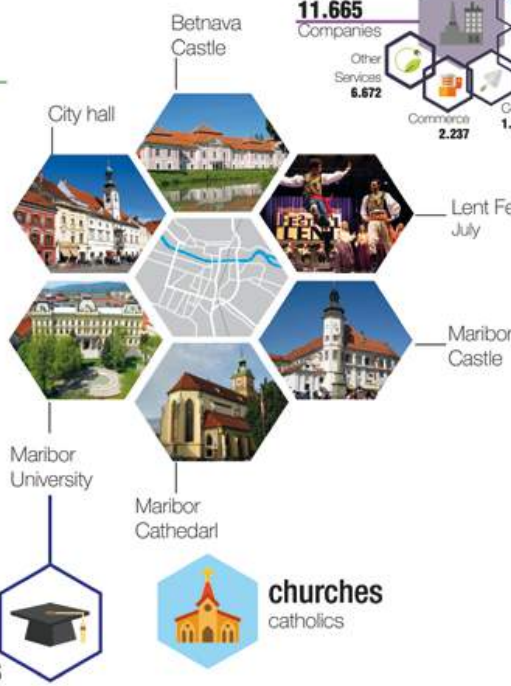
European Capital of Culture **2012**

Largest city of Lower Styria

Train Vienna & Trieste **1849**



universities



urban centres



cultural events

Lent Festival
July

Maribor
Castle

main infrastructures



SLOVENIA

Koper 3dr city

Foundation **599**

Oldest town in Slovenia

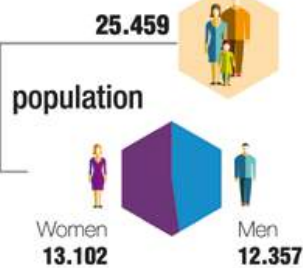
Italian Empire **1918-1954**

Middle Ages, was an island

Venetian Republic **1279-1797**

Austrian Empire **1809-1918**

Yugoslavia **1954-1991**



universities



urban centres

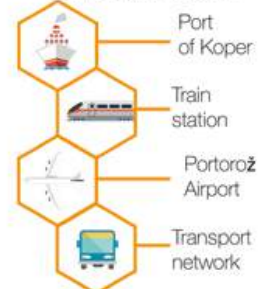


cultural events

Istrian Carnival
February

Port of Koper

main infrastructures



SLOVENIA

bibliography /webography

consultation date: from september 2016 to december 2016

geography

data from database SORS

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demography

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map: interpretation of the map retrieved from cieszyn center <http://hedac.cieszyn.columbia.edu/gow/>

economy

data from register of company

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www.stnfolk.eu

urban centers

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<https://www.stat.si>
www.slovenia.info
www.wikipedia.com
<http://pxweb.stat.si>

Romania

NORTH-EAST

TOTAL AREA: **3.685.000 ha**

geography



Mountains **28%**

Hills **12%**

Flat area **60%**

Artificial area: **158.260 ha 5%**



T.A.A (Total Agricultural Area): **3.518.306 ha 95%**

Woods area **1.231.943 ha 35%**

Not used area **34.021 ha 1%**

Fallowed land **127.567 ha 4%**

Agriculture area (U.A.A.) **2.124.775 ha 60%**

Area for pasture **491.639 ha**

n° **790.901** Crop Farms
2,69 ha average
99% family managed

n° **496.507** Breeding Farms
31,39 head average
99% family managed

Cereals **1.162.811 ha**

Fruits **12.752 ha**

Animal feed **582.850 ha**

Vegetables **52.854 ha**

Industrial crops **142.967 ha**

Beef **515.339** heads

Pigs **550.920** heads

Poultry **12.867.214** heads

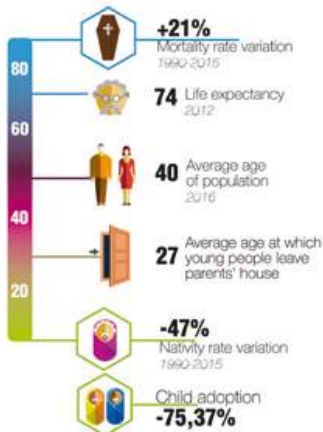
Romania

NORTH-EAST

Population (inhabitants)

3.302.217

2011



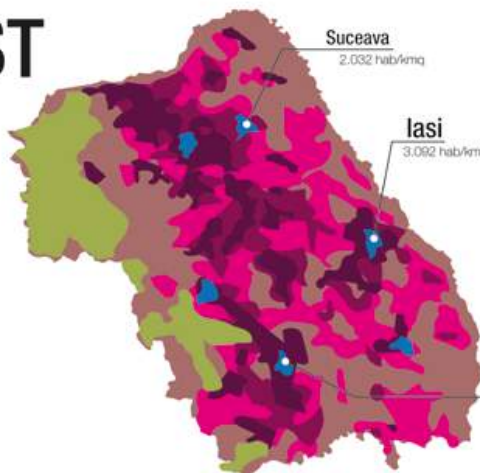
Men **1.622.817**

Women **1.679.400**

demography

density of population

100,5 hab./kmq



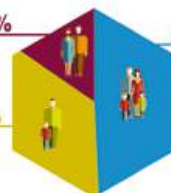
family composition

3,61 Average number of people in a family 2008-2015

15,41%

49,24%

35,35%



marriage

20.754 Marriages 2015

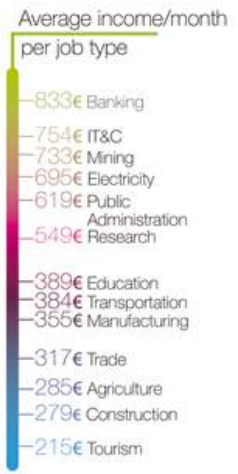
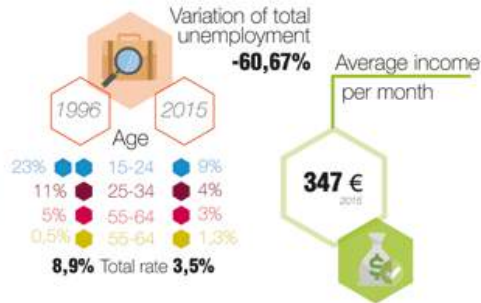
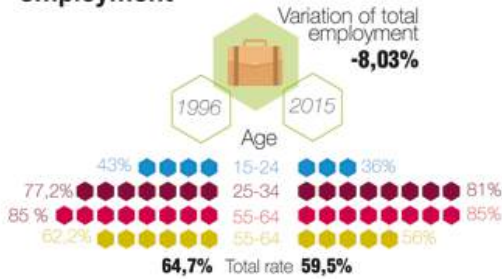
5.215 Divorces 2015



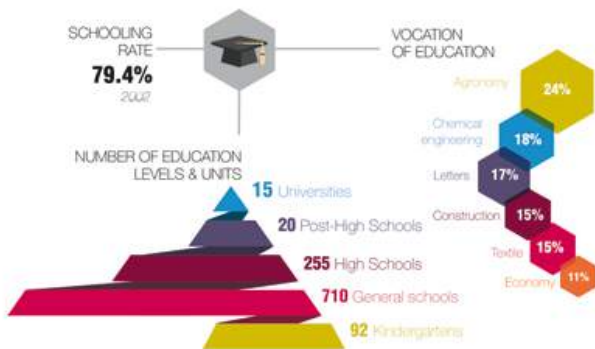
Romania NORTH-EAST

demography

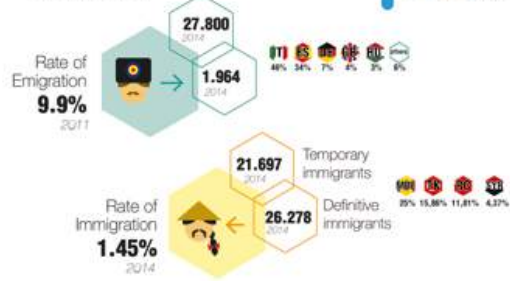
employment



education



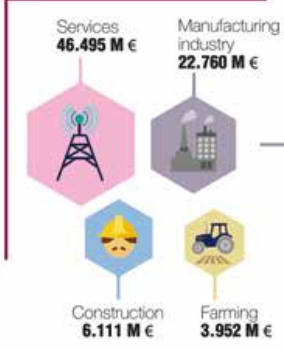
migration



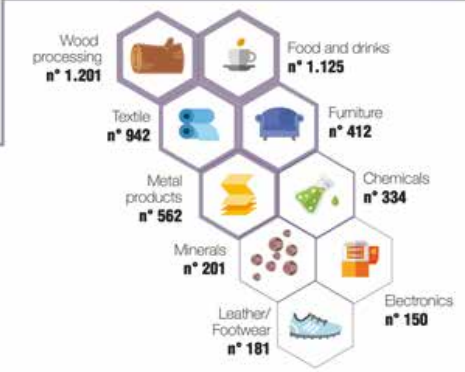
Romania NORTH-EAST

economy

MAIN ECONOMIC / INDUSTRIAL SECTORS

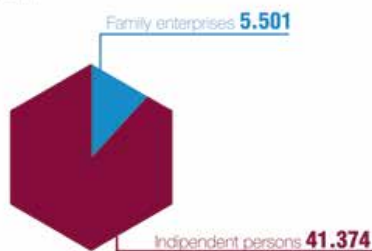


MANUFACTURING INDUSTRY 6.104 UNIT



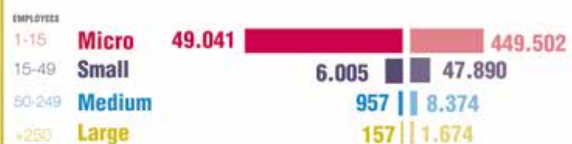
INTERNAL ORGANIZATION OF INDUSTRY

Private entrepreneurs 2015



NUMBER OF INDUSTRIES

Manufacturing Industry 2014



NUMBER OF EMPLOYEES

Manufacturing Industry 2014

Romania NORTH-EAST

influences



culture

traditions by season

spring
- 1st of March celebration
beginning of spring
- Orthodox Easter

summer
24th of June: **SANZENELE**,
Universal Day Romanian
Moules

autumn
St. Andrew's (protector
of Romania)

winter
- December 1st Romania's
National Day
- Christmas
- New Year's Eve

languages



religion



sport



notable residents

industrialist - politician - religious



folklore

instruments



authors-musician-artist



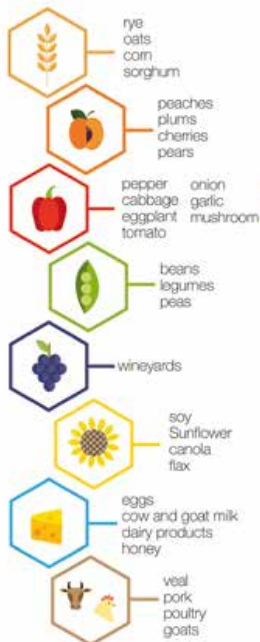
dances



Romania NORTH-EAST

culture gastronomy

food resources



recipes



traditions

Welcome guests with bread and salt, a symbol of hospitality and respect.



Romania NORTH-EAST

124 museums
Palatul Culturii
Cucuteni Museum
Unirii Palace
Celateana de Scaunifrom

crafts



culture

styles/ urban patterns



landmarks



craft districts



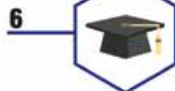
Romania NORTH-EAST Iasi

1st main city

Foundation **1230**
The Cultural Capital of Romania
Oldest city in Romania
Destroyed 1513 by Tatars
1553 by Ottomans
1686 by Russian
1945 by URSS
Rebuilt in **1950**

290.422
population
Women **152.871**
Men **137.551**
Immigrants **10.890**

universities



economic sectors

17.572 Companies
Furniture
Food 19%
Agriculture 21%
Textile 24%

urban centres

108.165 employees

cultural events

St. Parascheva pilgrimage
14th October



churches

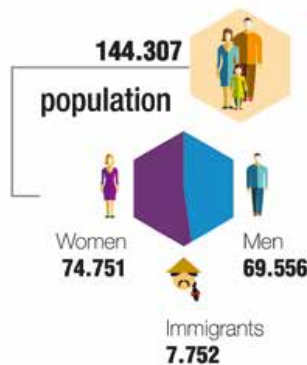
Romanian Orthodox

main infrastructures

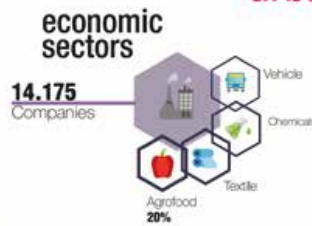


Romania
NORTH-EAST
Bacau 2nd city

Foundation **1230**
Industrial center
biggest aeronautic services factory
Architecture
-Interwar period
- socialist
Industrialized **1945**
Economy Decrease **1990**



2 universities



urban centres

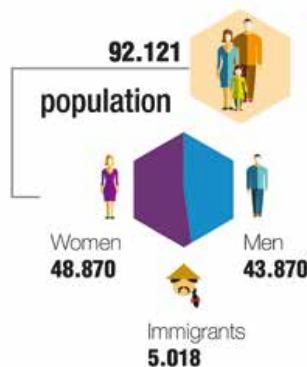
cultural events

main infrastructures

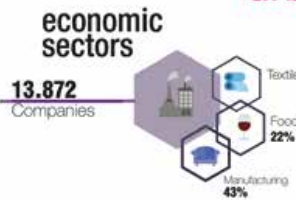


Romania
NORTH-EAST
Suceava 3rd city

Capital of Moldova **1565**
Reindustrialized in **1950**
Part of Austrian Empire **1775**
Architecture
Austrian-Hungarian
Classic neo byzantin
Humdrum
Back to Romania **1918**



2 churches
Romanian Orthodox



urban centres

36.698
employees

cultural events

main infrastructures



NORTH-EAST Romania

bibliography /webography

consultation date: from september 2016 to december 2016

geography

data from PRD 2014-2020
data from INSSE Tempo Database

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data from INSSE Tempo Database
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Map: rielaboration of the map retrieved from North-East Regional Development Agency

economy

data from PRD 2014-2020
data from INSSE Tempo Database
data received from Chamber of trade and industry

culture

data from PRD 2014-2020
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PUBLISHED AND PRINTED IN TURIN IN THE MONTH OF SEPTEMBER 2017
BY UMBERTO ALLEMANDI PUBLISHING

This volume aims at clarifying the role of Circular Economy according to a sustainable development and how policymakers can target it effectively in their activities. It is a guide to Systemic Design as a key methodology to establish sustainable regional action plans towards a Circular Economy.

As the result of an intense dialogue between people who present different perspectives and seek for a common language in the current complexity of policymaking and designing, this is the first of a three book series published across a four-year period (2016–2020) as part of the RETRACE Project funded by the Interreg Europe Programme.

Preface by Erwin Siweris

With contributions by

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volume 1

ISBN 978-88-422-2444-0



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