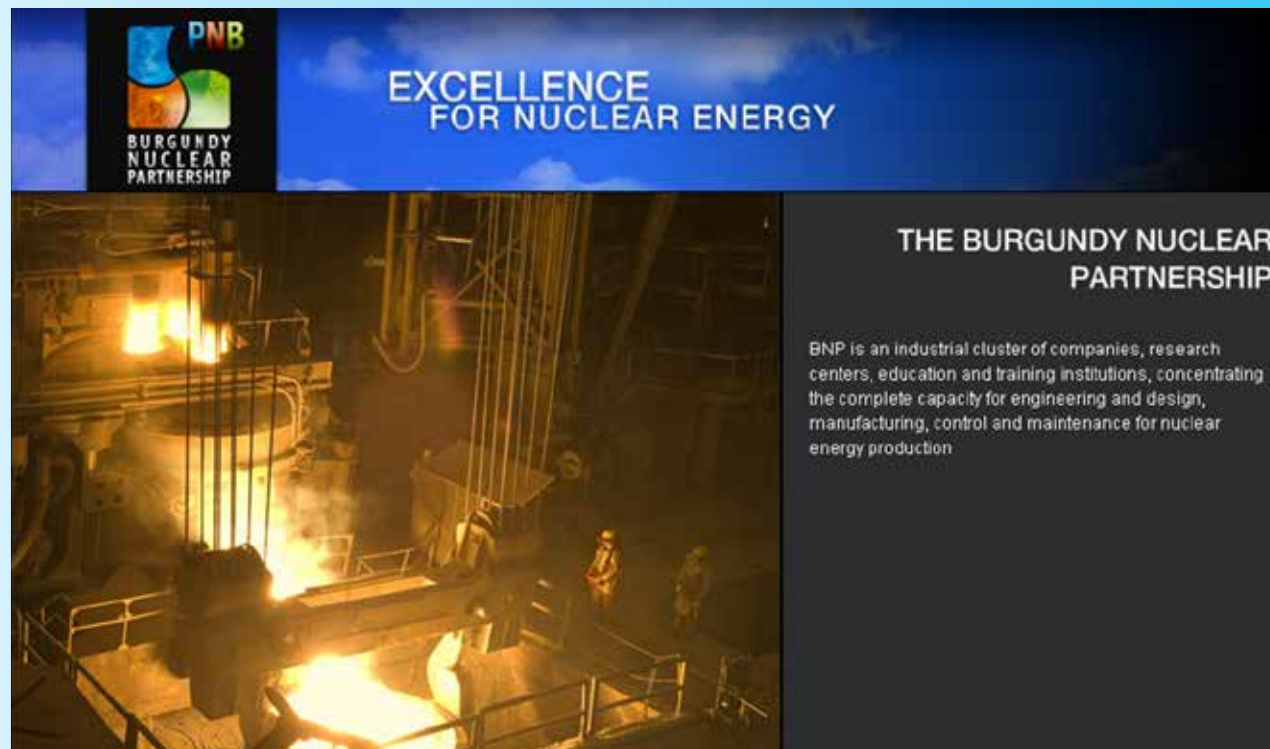


# Introduction to The Burgundy Nuclear Partnership



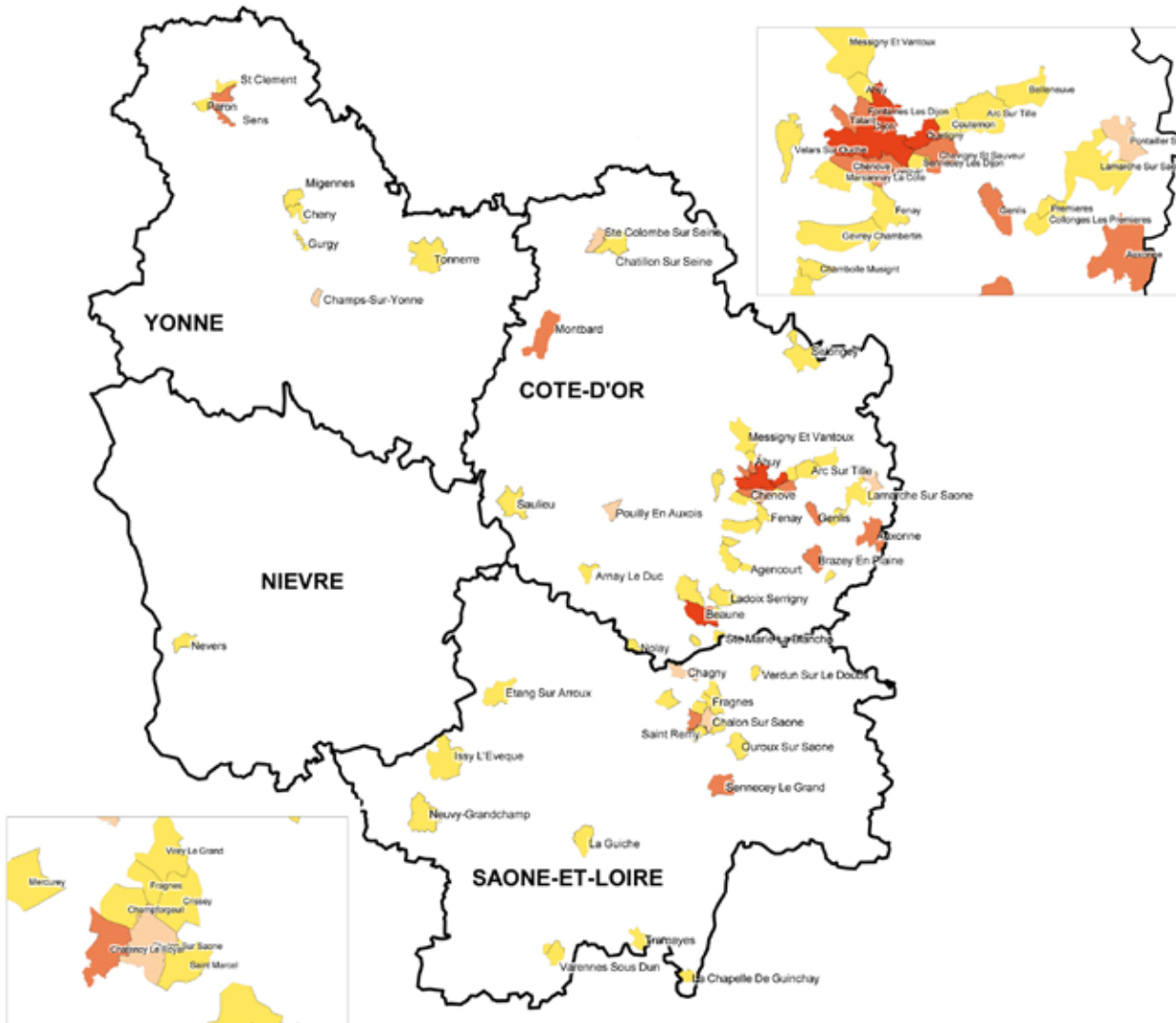
# Agenda

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- The Region of Burgundy
- Infrastructure
- Education
- Economy
- The Nuclear Partnership



# 1)The Region of Burgundy



•Population: 1,6 Million

•GDP: +42 Billion €  
(16<sup>th</sup>)

•GDP per capita: 26 K €

•Capital: Dijon

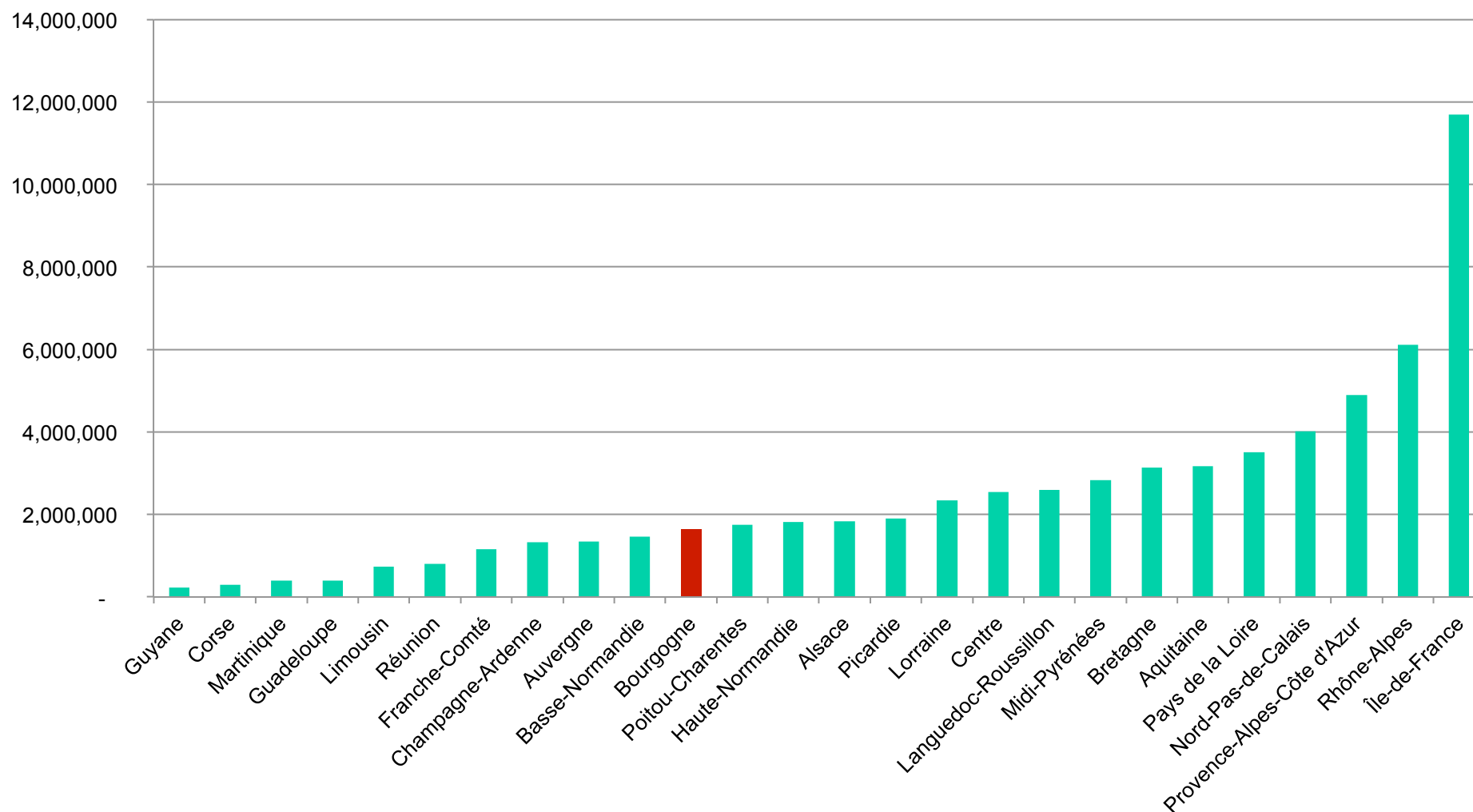
•Area: +31,582 Sq KM

•6% of French Territory

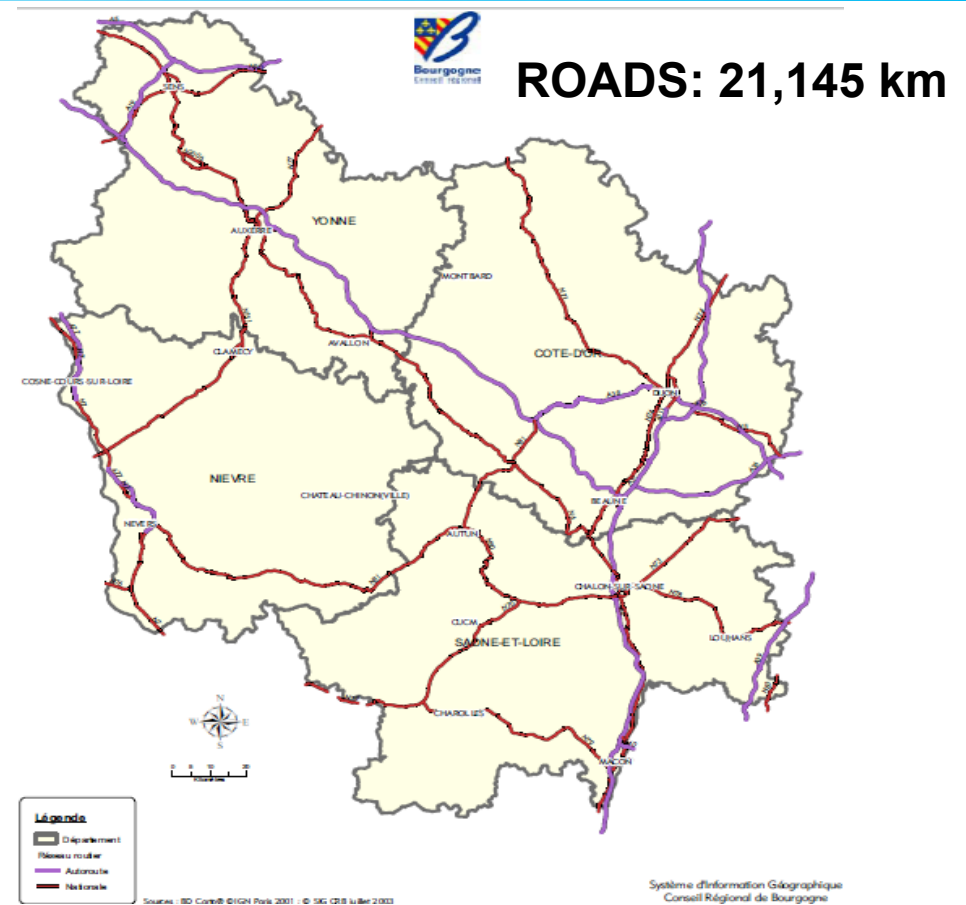
•4 Counties/Departments



# Burgundy is 11<sup>th</sup> most populated region

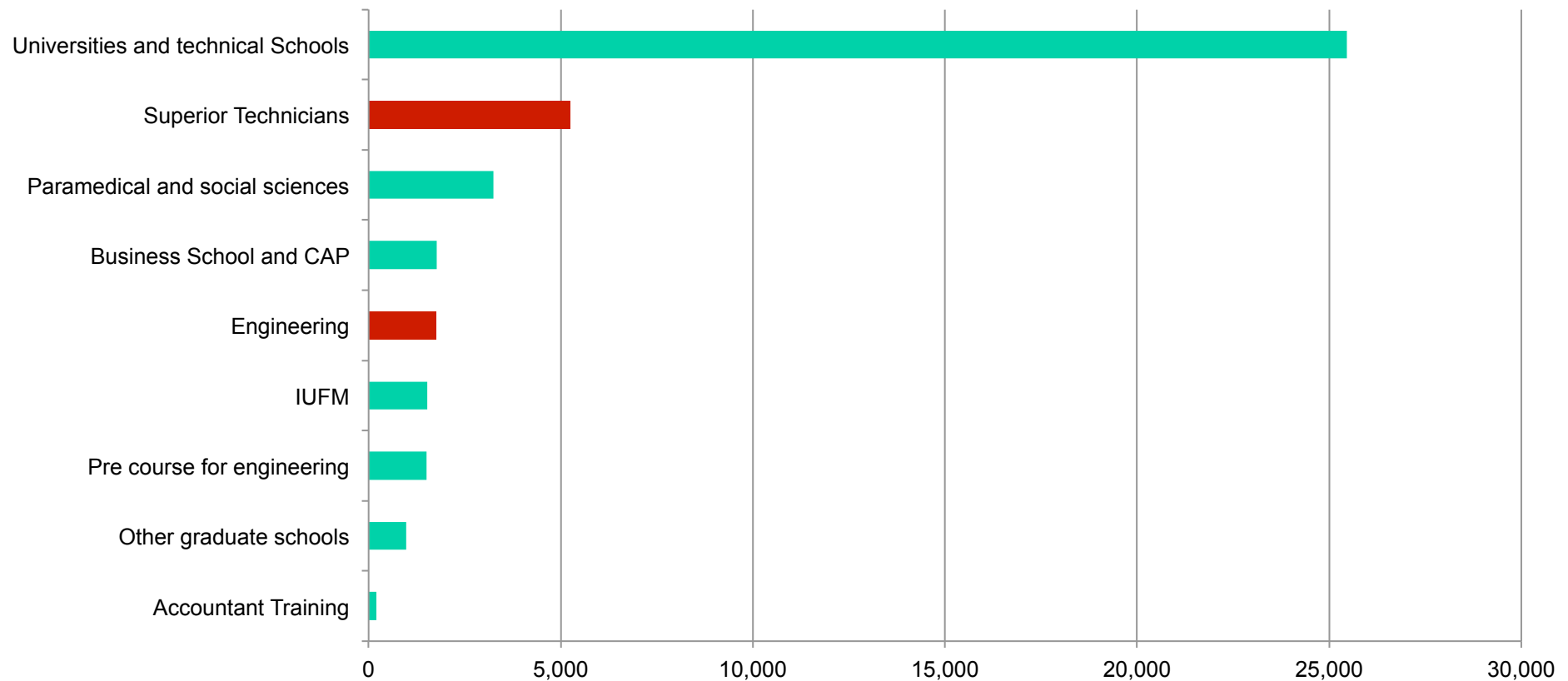


## 2) Infrastructure



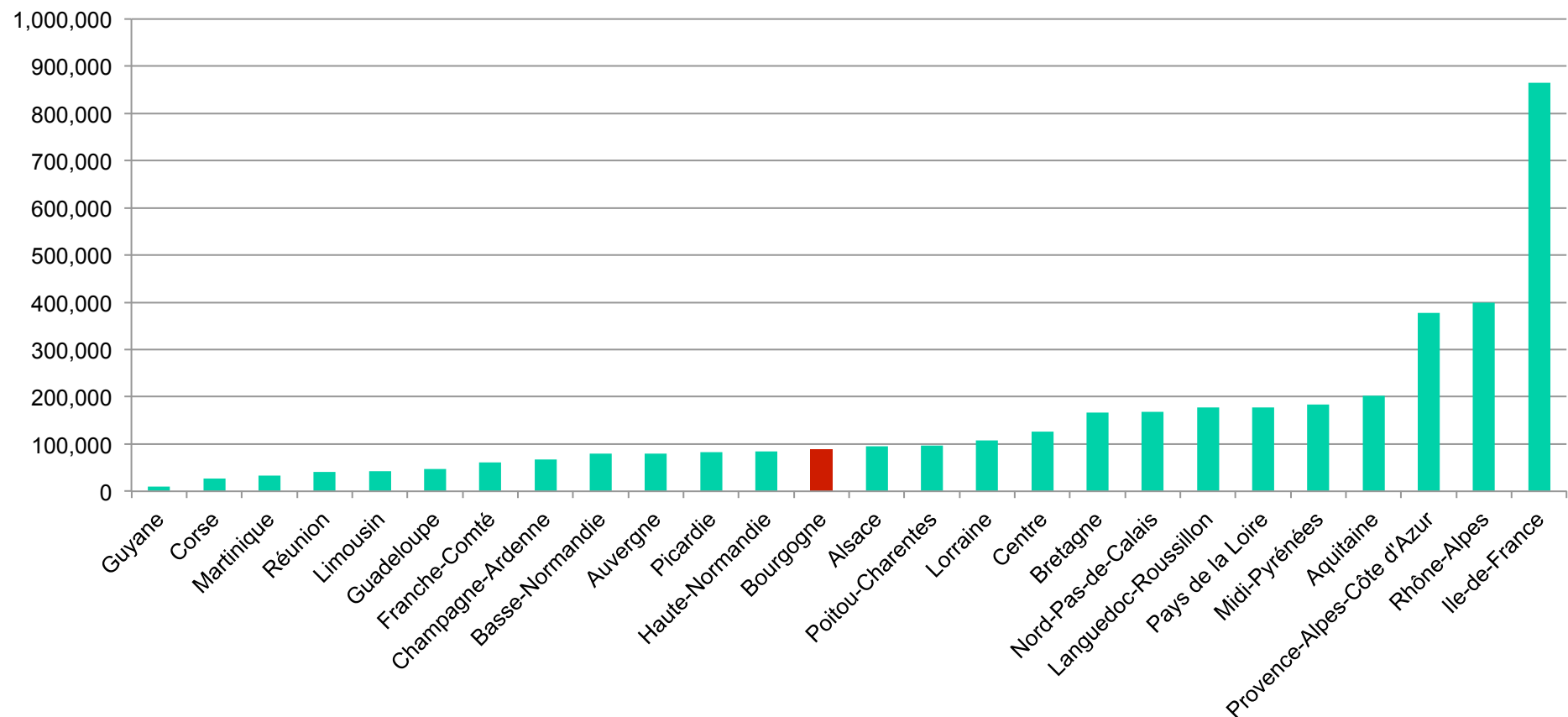
Burgundy is the 5<sup>th</sup> largest developer of railways, 6<sup>th</sup> for roads (20,359 KM) and 5<sup>th</sup> for highways (686 km)

### 3) Education



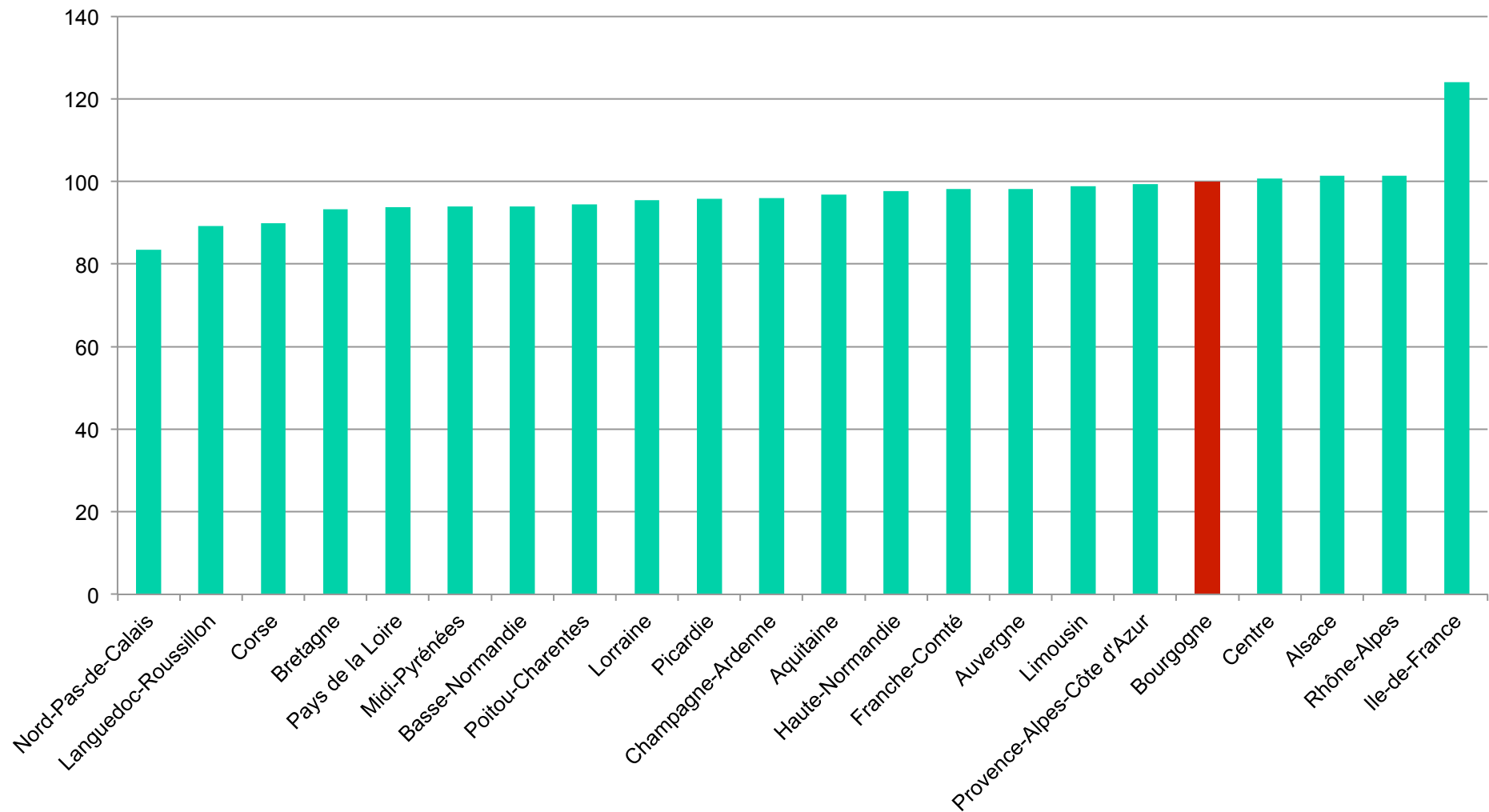
Burgundy has 41,200 students, which represents 2.6% of the regional population, mostly around Dijon.

## 4) Economy



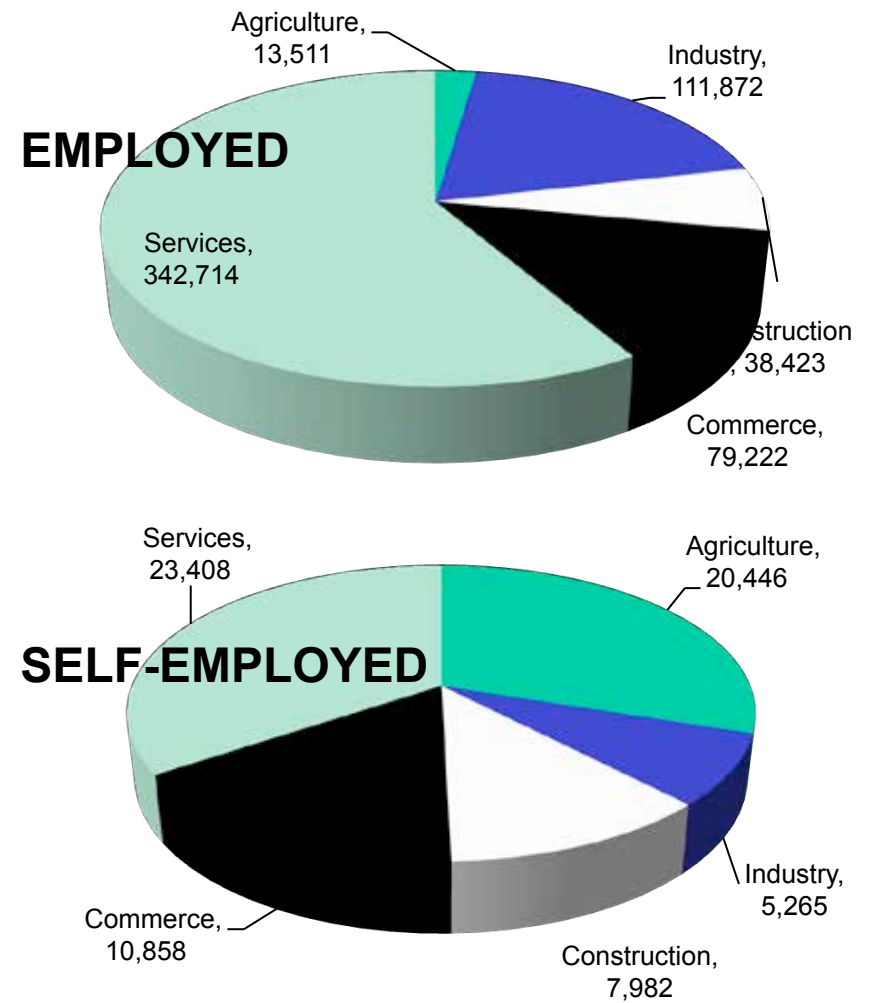
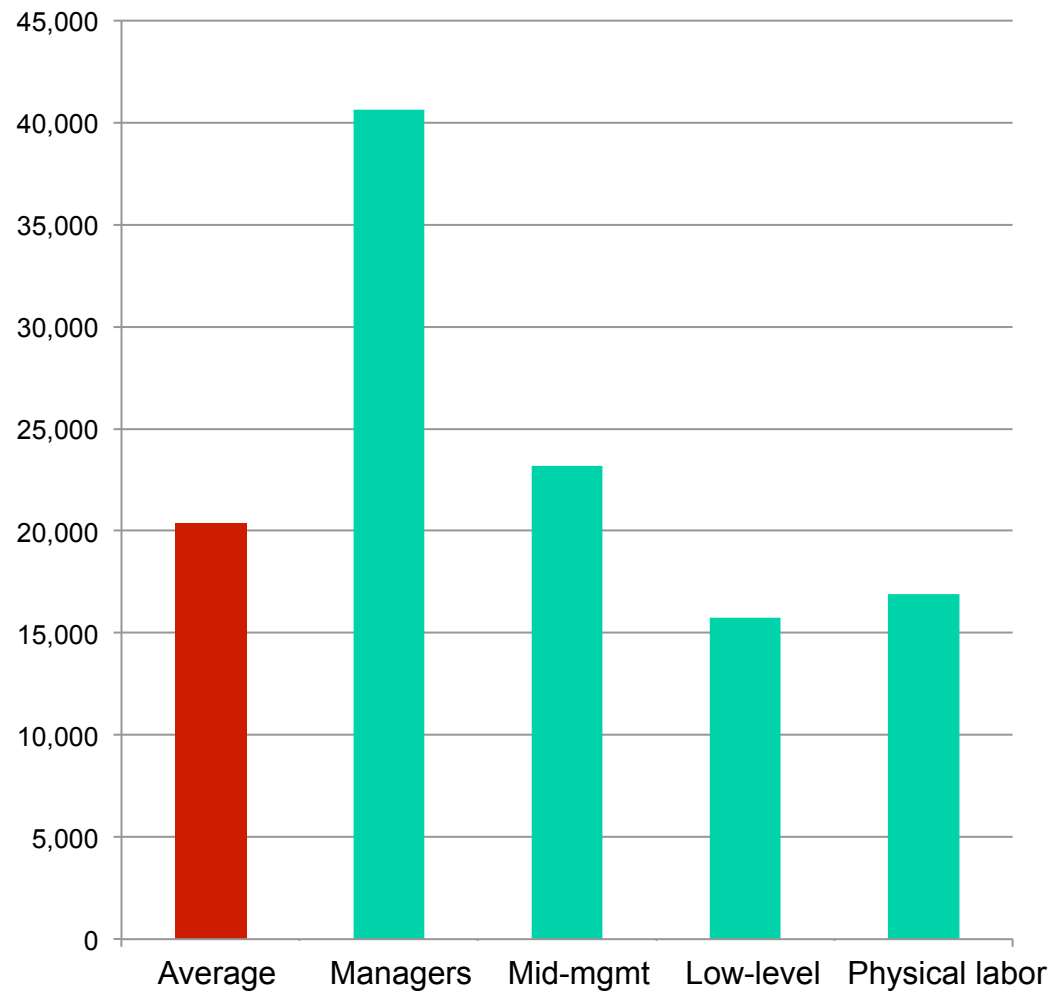
There are approximately 90,000 enterprises in the region

# Standard of Living Indicator





# Income and Sectors



# The Nuclear Partnership

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The Burgundy Nuclear Partnership was founded to assist its members through three main challenges:

- To consolidate industry participants in this key segment of the nuclear energy industry to expedite construction of highly secured nuclear energy plants.
- To attract and train new generations for the nuclear industry, ranging from engineers to specialists.
- To promote the advance knowledge of the Burgundy Nuclear Partnership worldwide.

# Evolution of Burgundy

- The modern iron and steel industry was born in Burgundy in the 19th century.
- While numerous countries were abandoning nuclear energy, France persisted, maintained and enhanced development, resulting in the largest installed base of nuclear energy. The success of the French nuclear program allowed Burgundy to perpetuate its leadership.
- Due to the production and capabilities of the BNP's members in engineering and design, their mastery of security standards, high-tech manufacturing and testing processes lead world development.

# The heart of the Nuclear Industry



# Nine major actors





# Research and Development

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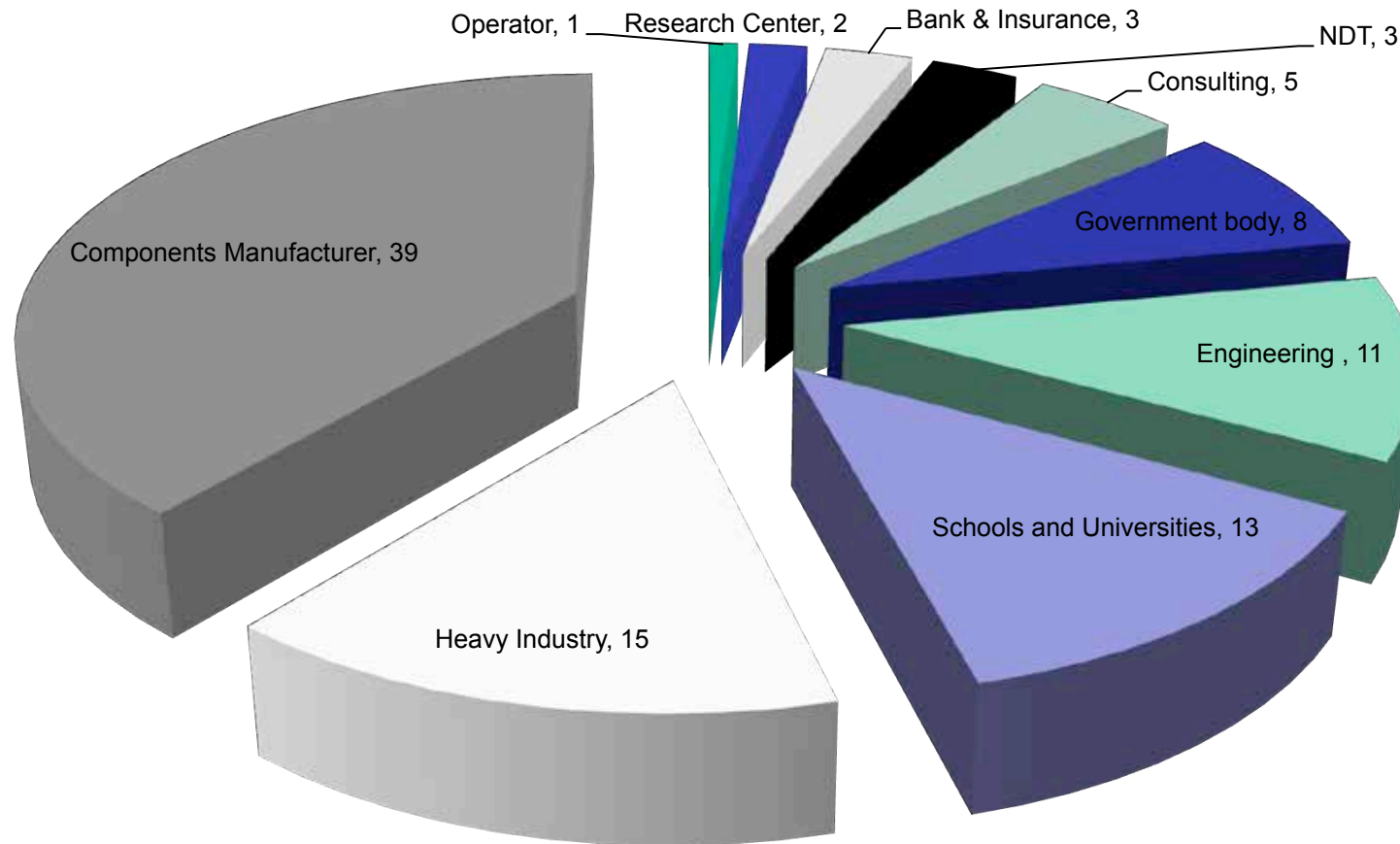
- The Burgundy Nuclear Partnership is building upon the innovation, capacity, and joint R&D programs of industry giants such as AREVA and EDF to strengthen its competitiveness in the global energy market.
- Mastering nuclear energy demands huge investments in R&D: the BNP draws upon its strong partnership with the CEA (Commissariat à l'Energie Atomique) for nuclear materials, manufacturing processes and digital simulation.
- CEA and BNP are currently developing joint innovation projects and are strategically advancing specific research on 4th generation reactors and ITER

# E2MB

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- Initiated by the training commission of the BNP, the Multisite Steel development in Burgundy (E2MB) aims to incorporate all professors from the research institutes with experience and expertise in the iron and steel industry
- The network of these linked experts will create a unique platform for teaching, training, and information exchange as well as optimize the transfer of technologies.

# BNP Members





# Ambitions: the European reference

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- Renew human resources in the nuclear industry to support the short-term
- Promote the nuclear industry in the youth population
- Master the technology and innovation necessary to advance the competitive position of the BNP
- Participate actively in the development of the Generation IV nuclear reactors
- Improve the production of Generation III reactors, in terms of time delays, quality, and manufacturing costs.

# New Achievements (1)

- Appointed a vice president specifically focused on SMEs
- Creation of the scientific council, responsible for the creation of new research projects and development of the BNP reputation
- Creation of the bureau to « support of R&D projects »
- Creation of two structures for the major projects: PINC and INA for technological innovation and research.



# New Achievements (2)

- The International Nuclear Academy has been established with the goal of addressing the critical shortage of engineers and managers currently confronting the Nuclear Renaissance.
- Tailored products to businesses partnering with the nuclear industry (Finance, Consultancy, HR etc.) or moving into the nuclear sector from other areas
- Special assistance to countries initiating nuclear technology development



# Burgundy has more to offer!

