

# Vienna as a Smart City

---

Sandra Linton Huezco  
ARC 590, Spring 2017

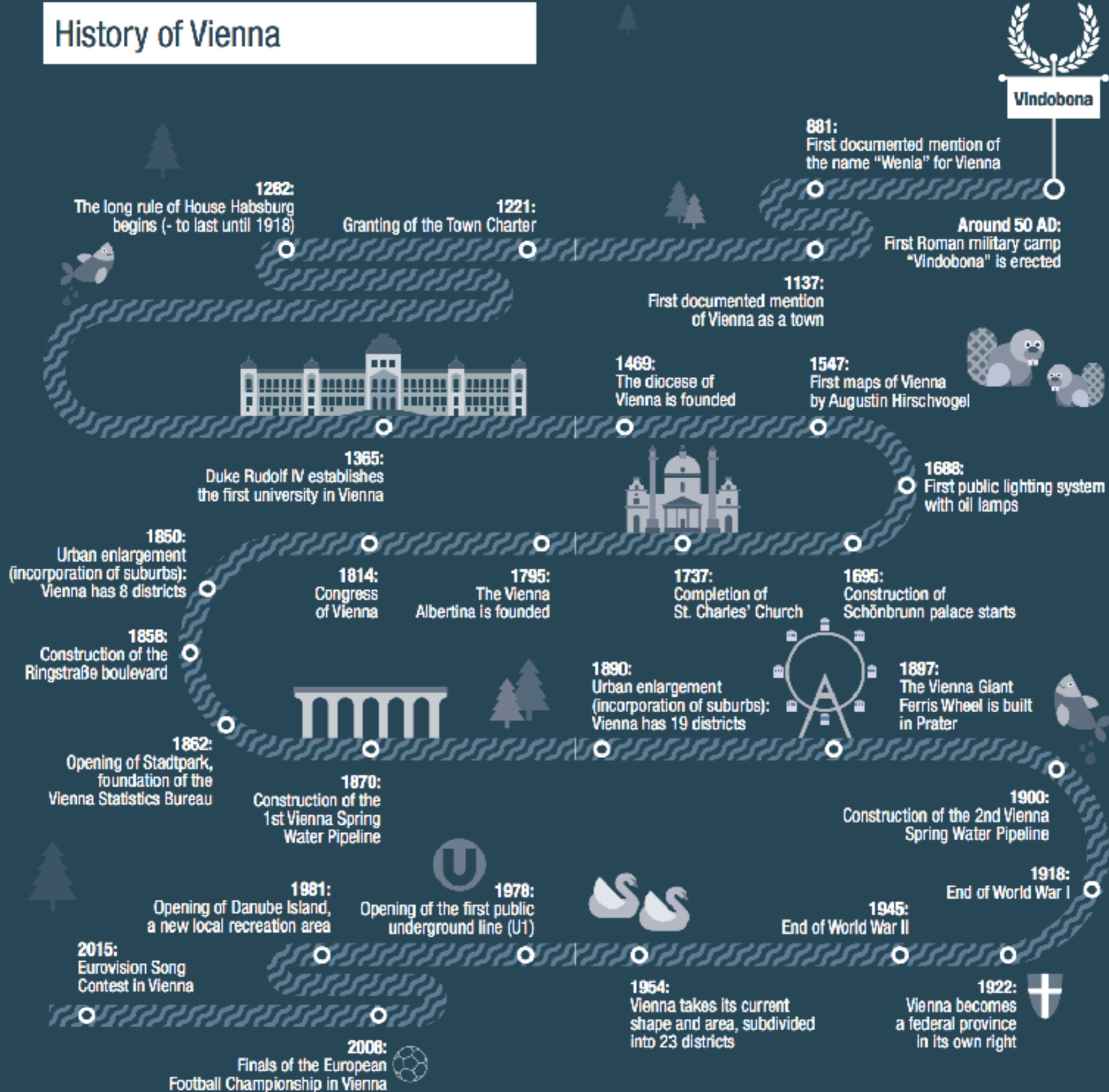


How smart is the capital city of Vienna, and how does it plan to manage its growing population in a smart way?

- History
- Current Status
- Plans to move forward



# History of Vienna



# History

---

- WWI results in shortages and inflation
- “Red Vienna” 1918-1934, Social Democratic Majority
- 1919 - Housing Requirement Act
- Social and Health Services
- WWII
- 1945-1955 - Allied Occupation
- 1955 - Independence and Treaty



Vienna after bombing

# Modern Day Vienna

---

- 1,840,226 people as of 2016
- +187,777 from 2006 to 2016
- +42,889 from 2015-2016
- Land use: 41,487 ha total
  - Green Space: 45.1%
  - Built-Up Space: 35.8%
  - Road Space: 14.4 %
  - Bodies of Water: 4.7%



# Finances

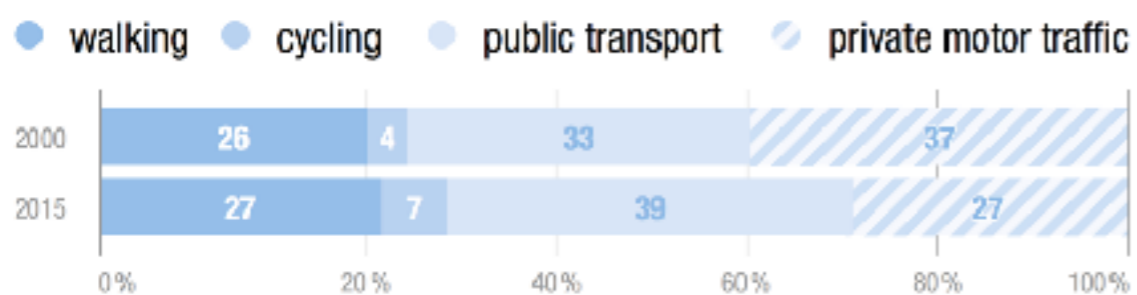
---

- Annual Financial Statements:
  - 18.7% - Social Welfare/Housing
  - 18.4% - Local Authority Tasks
  - 17.6% - Health Care
  - 17.3% - Education
  - 9.0% - Public Finance
  - 8.0% - Road Maintenance, Public Transport
  - 6.5% - Services
  - 2.3% - Arts and Culture
  - 1.4% - Public Order and Security
  - 0.8% - Business Promotion



# Public Transport

- 5 metro lines, 29 tram lines, 127 bus lines
- 541 electric cars
- 1,298 km of bike lanes
- 685,570 private motor vehicles
- 698,968 “Jahreskarten” issued
- State run navigation apps





# Awards and Rankings

---

- 1st in Innovation Cities Global Index - 2015
- European Capital of Innovation Award - 2016
- Lee Kuan Yew World City Prize - 2016
- Most Admired Knowledge Cities Award - 2015
- European Mobility Award - 2015
- 1st in Roland Berger “Smart City Index” - 2017
- 1st in Mercer Quality of Life Study - 2010-2017
- Big Mac Index 2015 - 12 Minutes
- 4th in Number of International Congresses in 2015 with 178



# The Smart Future of Vienna

---

- Cities responsible for 3/4 of all energy consumption and 80% of greenhouse gas emissions.
- By 2050, 2/3 of the world's population will live in cities.
- The population on Vienna will grow to over 2 million by 2050.

How does Vienna maintain its quality of life for all citizens? By radically preserving resources through social and technological innovations.



# Smart City Wien

---

“The “Smart City Wien Framework Strategy” is a long-term umbrella strategy to 2050 that will establish a conducive, long-term and structural framework that will exist alongside other established documents, plans and programs.” The three fields of action are:

- Quality of Life
- Resources
- Innovation



# Questions/Issues with 2050 Plan

---

- How is green space maintained?
- How will additional load on public transportation be addressed?
- How will historical conservation and a push for innovation be balanced?
- What EU energy and climate goals will be met and surpassed?
- How will Vienna account for the needs of all residents as a “smart city?”
- Where will funding come from?



# Resources

---

- “Smart City Wien Resource Strategy”
- Public Transportation Expansion Exhibit
- Smart City Wien Agency
- Urban Future Hub
- Viennese Citizens



THANK YOU!