



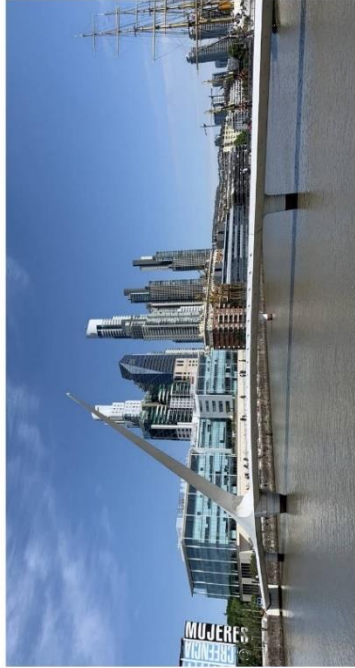
Cluster 1 Sustainable Future and Climate Change

- 1 Resource 1 shows photographs of Puerto Madero, an inner city in Buenos Aires (a megacity in Argentina, South America), before and after reimagining. Resource 2 shows the changes in the average residential price in Puerto Madero between 2000 and 2013. Resource 3 is an excerpt from a report by the World Bank on Puerto Madero.
- (a) Using examples, explain **two** economic reasons for urban reimagining. [4]
- (b) Using Resource 1, describe the changes to the built environment in Puerto Madero before and after reimagining. [6]
- (c) Suggest how the reimagining of Puerto Madero as shown in Resource 1 might help improve people's perception of the area. [3]
- (d) Describe the changes in the average residential price in Puerto Madero between 2000 and 2013, as shown in Resource 2. [3]
- (e) With reference to Resource 3, explain the impact of reimagining on sustainable urban development in Puerto Madero. [6]

Resource 1 for Question 1

Before and After urban reimagining in Puerto Madero

AFTER



AFTER



BEFORE

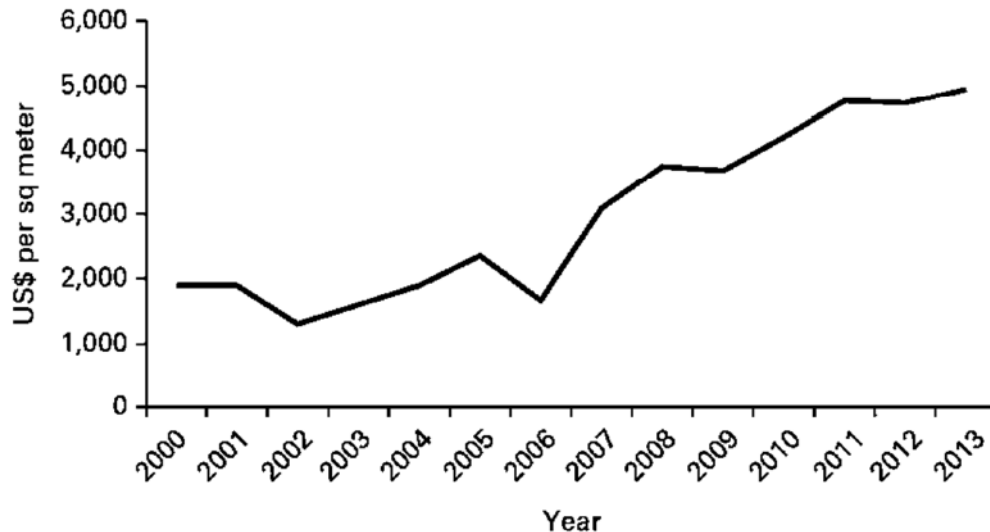


BEFORE



Resource 2 for Question 1

Average residential price in Puerto Madero, 2000 to 2013



Resource 3 for Question 1

An adapted excerpt from a World Bank publication

The general consensus is that at the project level, Puerto Madero was a success. Looking at the project's original objectives – to revitalise the Buenos Aires downtown, catalyse investment in the surrounding areas, provide an economic stimulus, and generate employment in the construction sector – the project did well. The Buenos Aires downtown is now buzzing with activity, and the Puerto Madero area itself has become a new city destination for both local residents and tourists.

From the city perspective, although Puerto Madero has helped increase housing supply, it was only for a very small high-income market. In Buenos Aires, there is a chronic demand for middle and lower-income housing.

Copyright Acknowledgements

Questions and resources are adapted from SAJC 2020 H2 Preliminary Exam. The original resources are adapted from various sources including

- https://urban-regeneration.worldbank.org/Buenos_Aires
- Amirtahmasebi, R., Orloff, M., Wahba, S. & Altman, A. (2016). *Regenerating Urban Land: A Practitioner's Guide to Leveraging Private Investment*. World Bank: Washington, DC. <http://hdl.handle.net/10986/24377>

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- (a) Using examples, explain **two** economic reasons for urban reimagining. [4]

Award 1 mark for each explanation of an economic reason for urban reimagining. Award a maximum of 1 additional mark for further development of each explanation with an example. AO1

- Counteract urban decline. [1]
- Maintain competitive edge in the global landscape. [1]
- Attract the middle class back into the city-centre. [1]

- (b) Using Resource 1, describe the changes to the built environment in Puerto Madero before and after reimagining. [6]

Award 1 mark for a description of the change in the built environment. Award a maximum of 1 additional mark for further development of each description, where applicable. AO2

- Previous deindustrialised area of the port and ship building has undergone brownfield site development
- Old shipyard is replaced with buildings with eye-catching post-modern architecture.
- Derelict warehouses are repainted with bright facades, and lined with greenery.
- Further, there is adaptive reuse of these warehouses
- Roads at derelict warehouses have been pedestrianized into designated walkways

- (c) Suggest how the reimagining of Puerto Madero as shown in Resource 1 might help improve people's perception of the area. [3]

Award 1 mark for each suggestion of how the reimagining might help to improve people's perception of the area. Award a maximum of 1 additional mark for further development of each description or to draw evidences from the resource to support their deductions, where applicable. AO2

- City is no longer plagued by poverty and urban decline. Investors will perceive the city to be more attractive for investments.
- The conversion of the shipyard into a flagship project has increased cultural vibrancy and gives the perception of a city that celebrates its cultural heritage.
- Attractive design and overall increase in environmental quality increase walkability and deters crime.

Plausible answers with supporting data will be credited.

- (d) Describe the changes in the average residential price in Puerto Madero between 2000 and 2013, as shown in Resource 2. [3]

Award 1 mark for a description of the change in average residential price. Award a maximum of 1 additional mark for further development of each description, where applicable. AO2

- Over 13 years, the average residential price climbed from slightly below US\$2000/m² in 2000 to 2.5 times of this value in 2013 with US\$5000/m²
- The residential price hovered slightly below and above US\$2000/m² before 2005, before it dropped from US\$2200/m² in 2005-2006 to US\$1800/m².
- The price rose more rapidly thereafter before stabilising in 2011-2013

- (e) With reference to Resource 3, explain the impact of reimagining on sustainable urban development in Puerto Madero. [6]

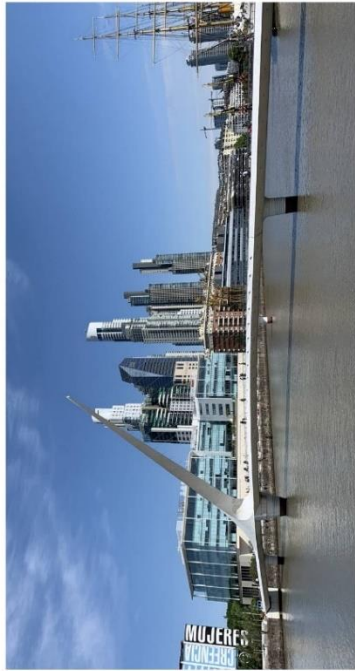
Award 1 mark for each explanation of the impact of reimagining on sustainable urban development. Award a maximum of 1 additional mark for further development of each explanation, where applicable. AO2

- One of the main objectives of reimagining is to attract financial investment and economic interest, as well as people, into the area.
- More tourism spendings will boost the economy by creating jobs across different sectors including service sectors and the “construction sector”.
- The economic benefits are said to spread from the revitalized downtown (or Central City) to the “surrounding areas”.
- However, from the perspectives of the middle- and lower-income earners who used to live in Puerto Madero area, the prices of residential spaces has become out of their reach.
- The reimagining of Puerto Madero is socially unsustainable.
- The “construction” from reimagining projects is likely to improve overall environmental liveability.

Resource 1 for Question 1

Before and After urban reimagining in Puerto Madero

AFTER



AFTER



BEFORE

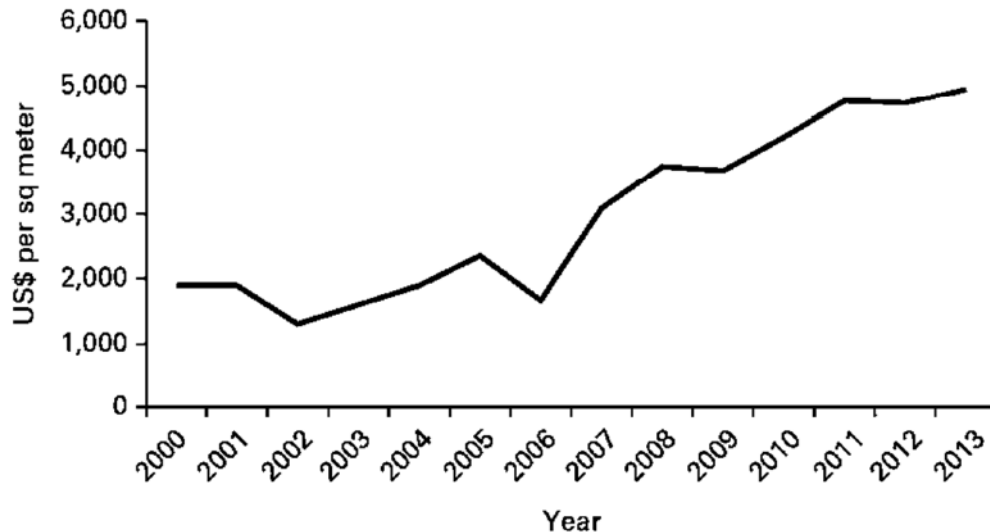


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