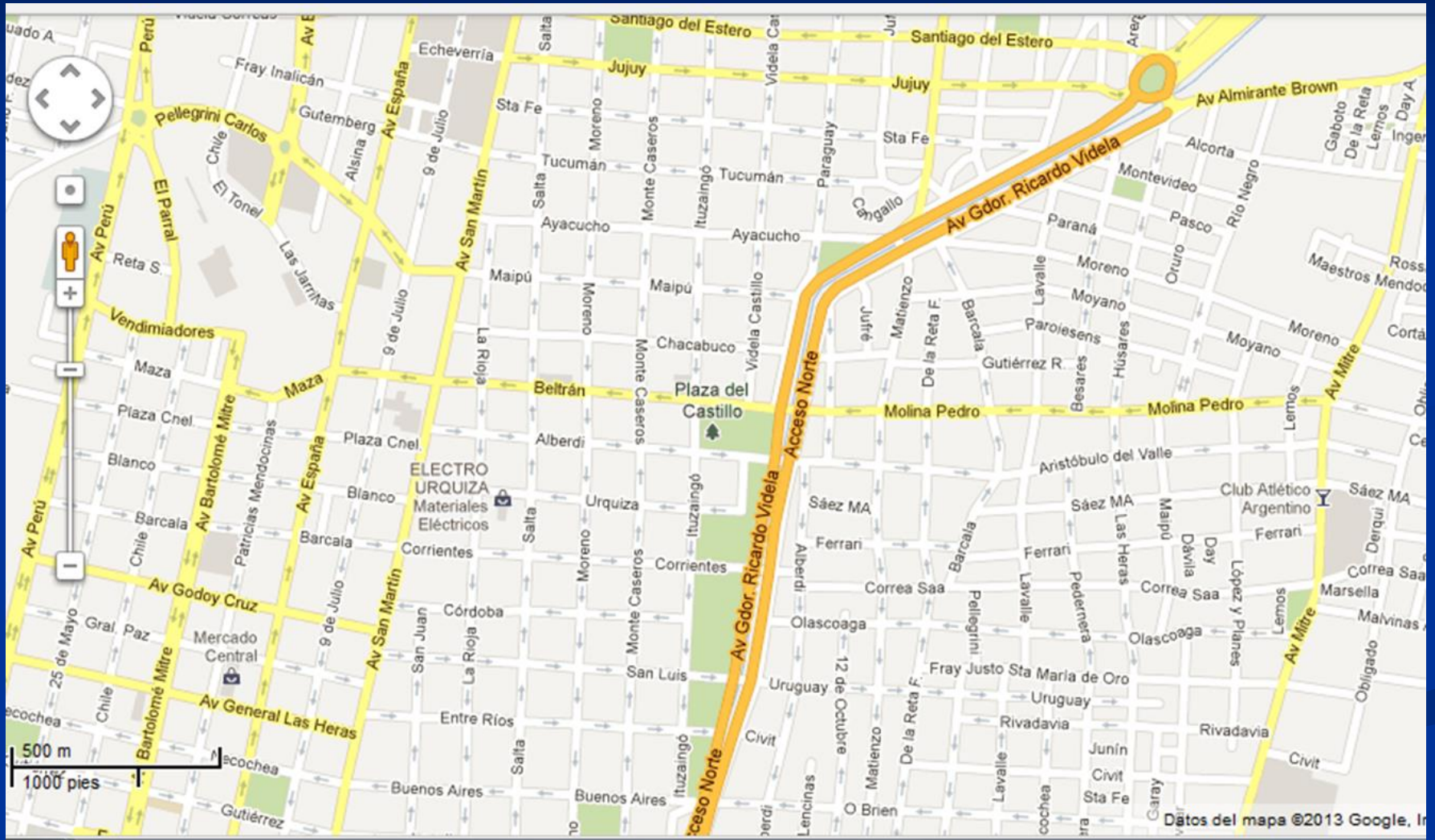


PLAZA DE ARMAS
Mendoza
Argentina, América

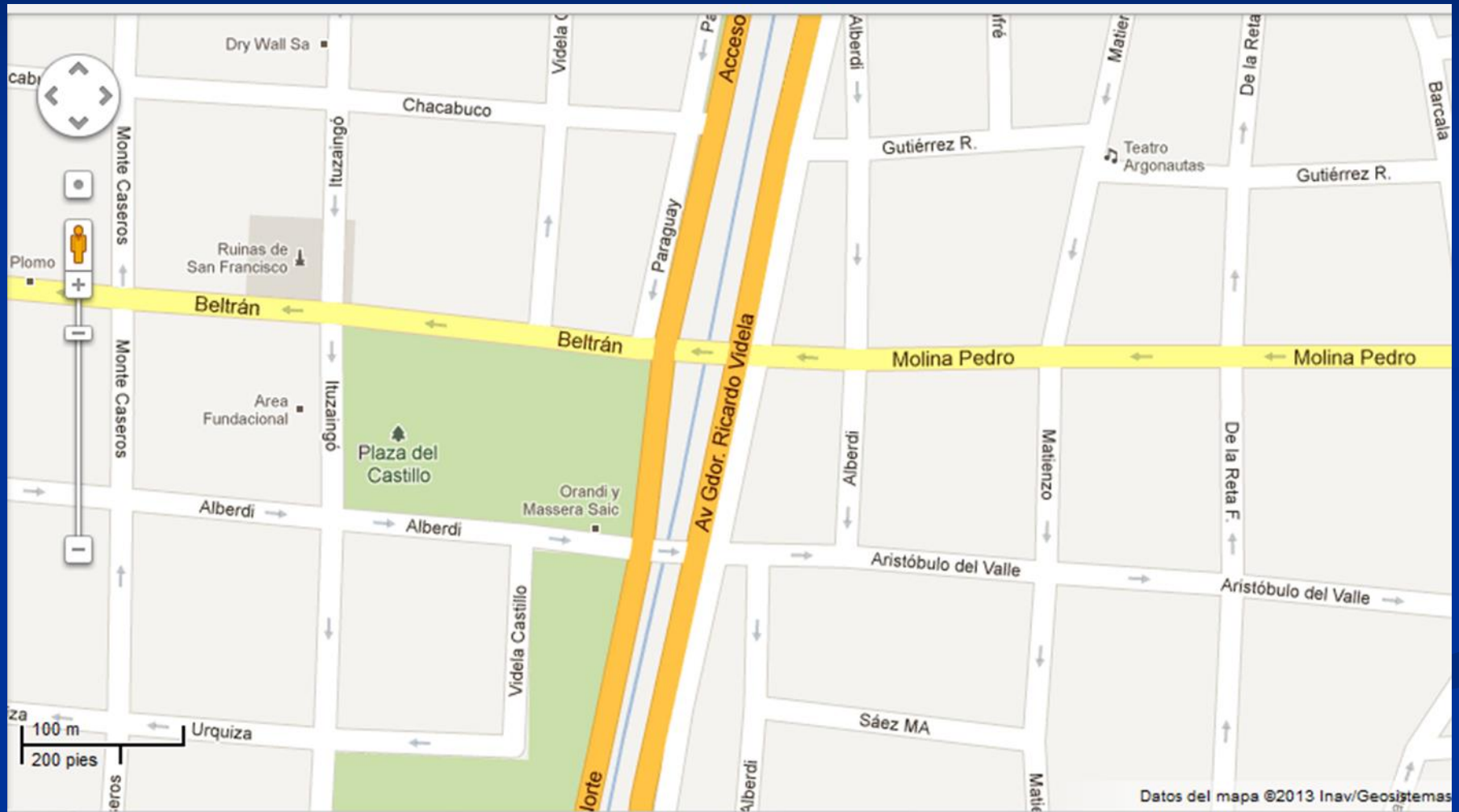
Beatriz García, Rosa M. Ros

International Astronomical Union
ITeDA and Technological National University, Argentina, Technical
University of Catalonia, Spain

Map of Mendoza with Plaza Pedro del Castillo



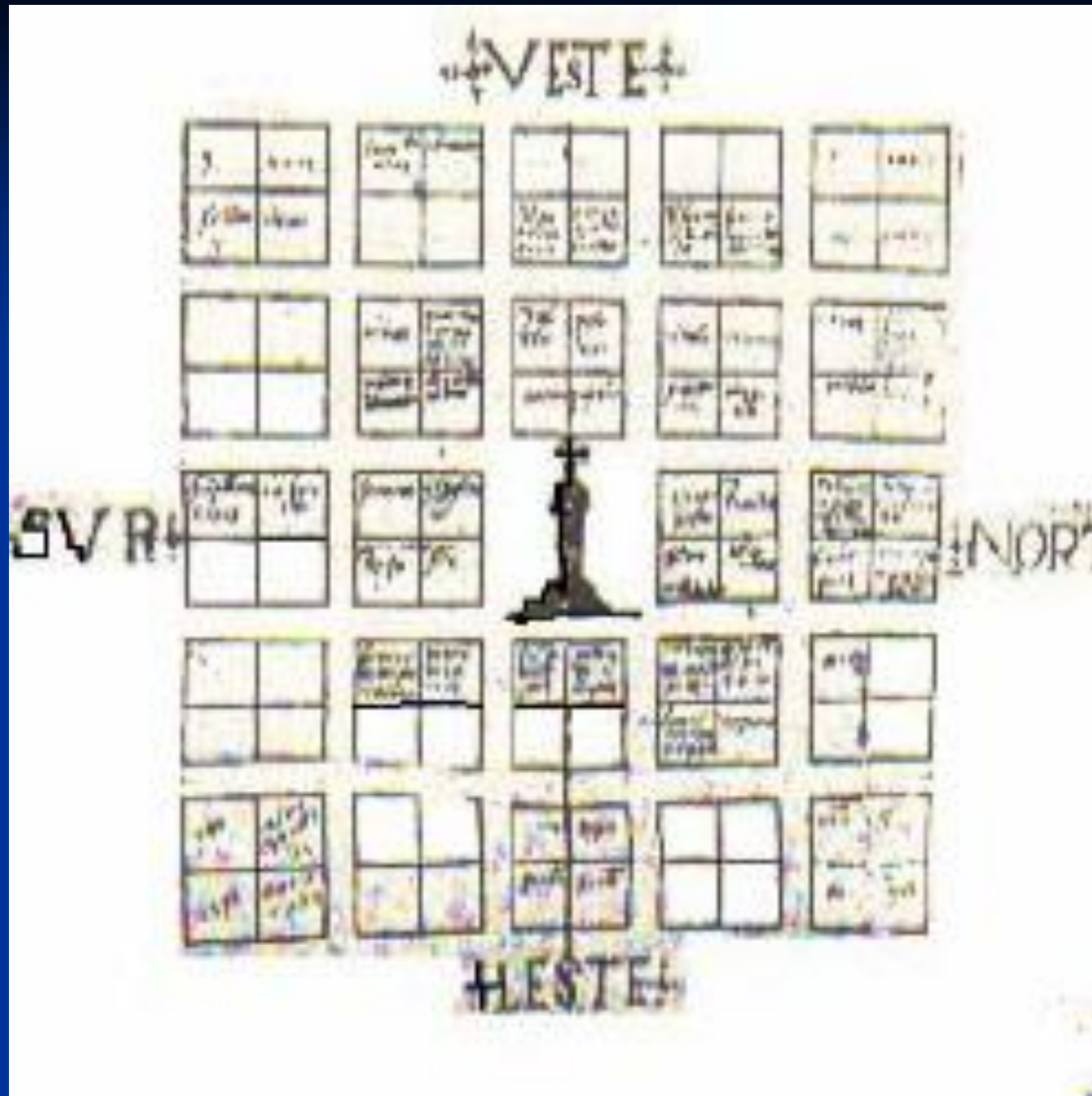
Plan of the Foundational Area (Pedro del Castillo was the Plaza de Armas)



Foundation

1561 Pedro del Castillo
1562 Juan Jufré

1562 plan of Plaza de Armas, that was oriented North-South and East-West as was usual



W

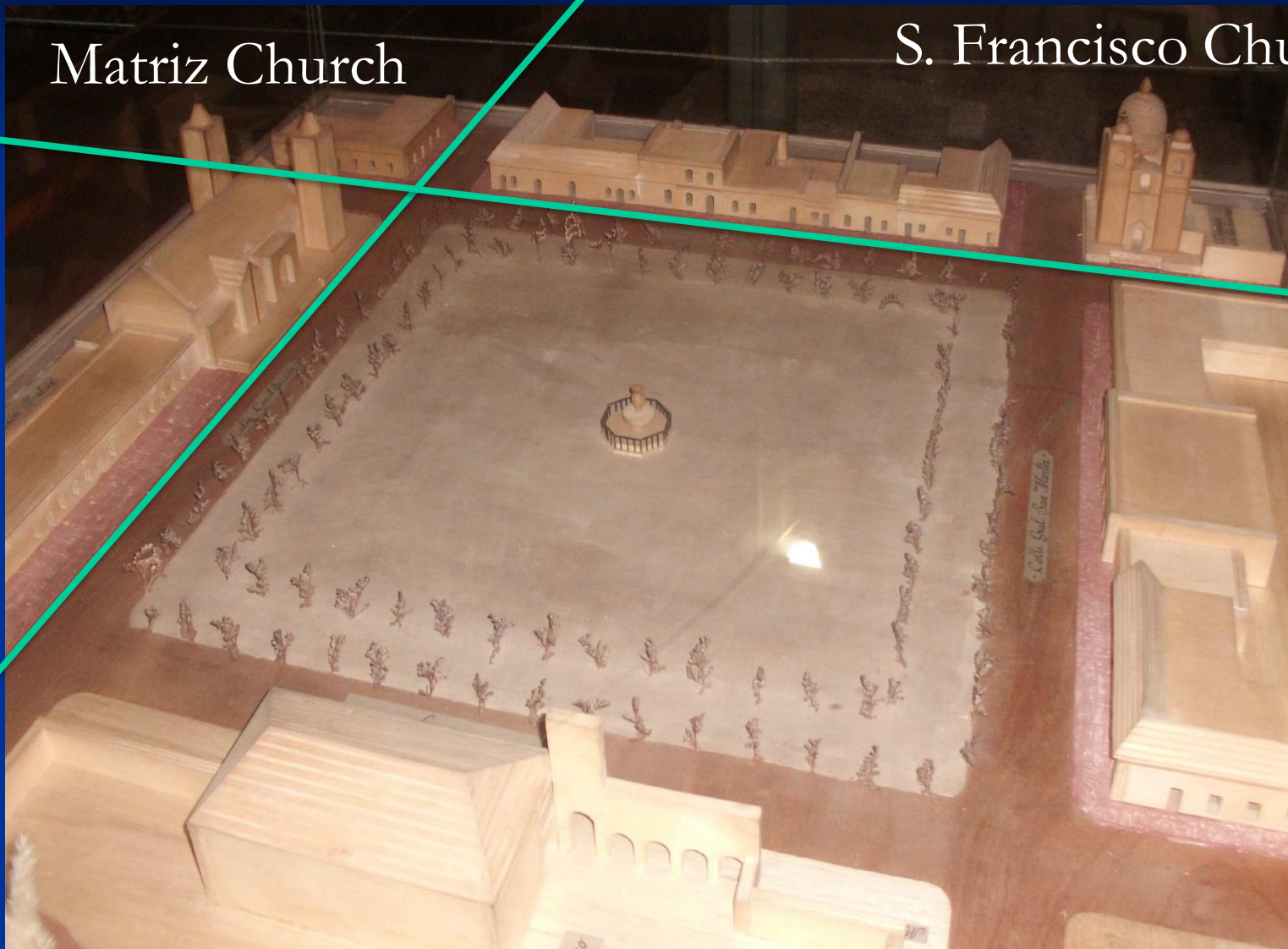
Matriz Church

S. Francisco Church

S

N

E



San Francisco Church



Main door to East, bad oriented



S. Francisco Church was constructed 170 years after the Foundation, they put the door in the site where was the Street. It is bad oriented

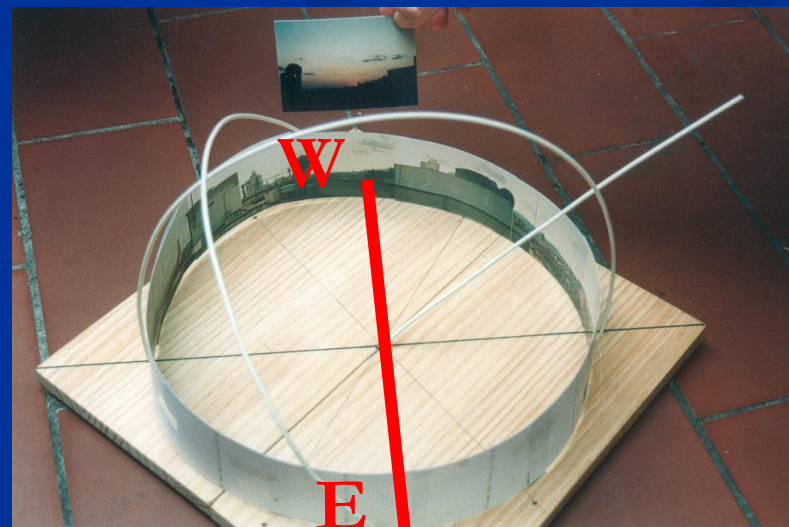
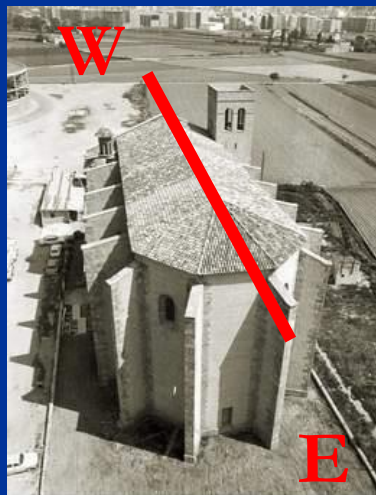


Matriz Church was constructed with the door **in front of** the Calle de la Cañada (currently Calle Ituzango) with the door in the **West** according the rules of Catholic Church

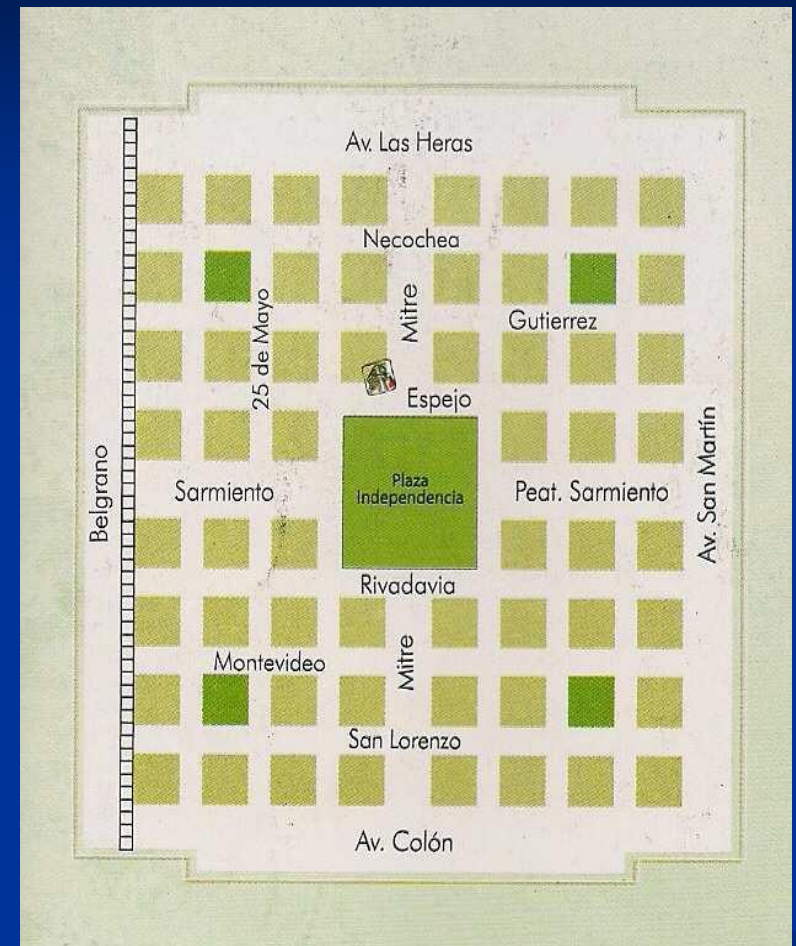
The church was destroyed in 1861 earthquake

At the Council of Nicaea (325) it was determined that the apse was to the East and the gateway to the West so that the priest would be facing East during the services.

Thus the priest and the participants would be directed towards the East, from where Christ, the Sun of Justice, will shine at the end of time (*ecclesiarum situs plerumque talis erat, ut fideles facie altare versa orientem solem, symbolum Christi qui est sol iustitia et lux mundi interentur*)



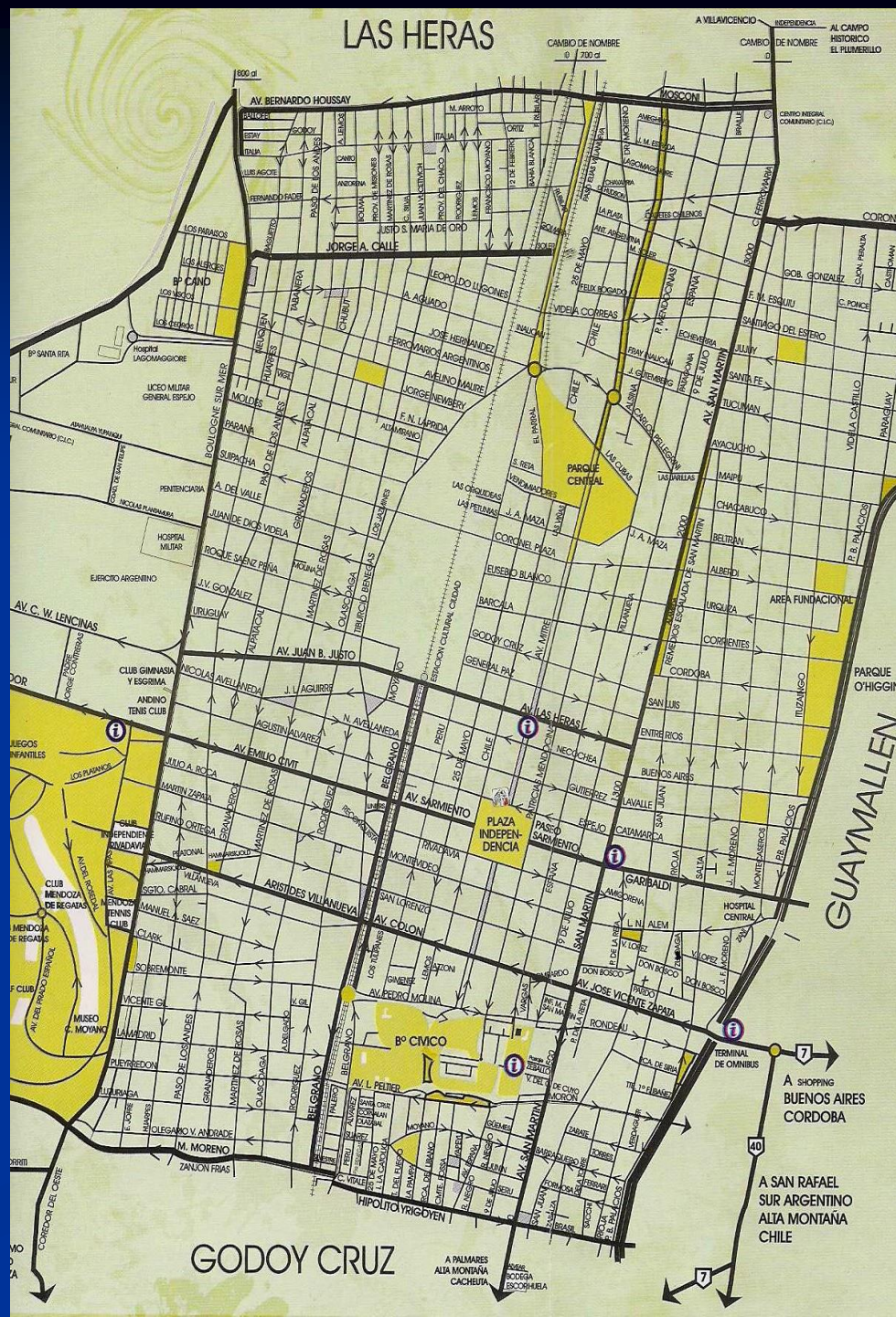
The 1861 earthquake motivated the construction of the New City of Mendoza approximately 1 km South-West of the Foundational Area. The new model had a central square with satellite squares and North-South and East-West axis directions with tree-lined streets, green squares and ditches on all streets.



Determination of the orientation of the North-South sidewalk in the Plaza de España. As seen the North-South direction forms an angle of about 20 degrees with the line of the tiles.



The North-South direction of the Foundational Area and the checkerboard of the Plaza de la Independencia do not correspond



The origin of the coordinates of the urban signs in Mendoza



**Many Thanks
for your attention !**

