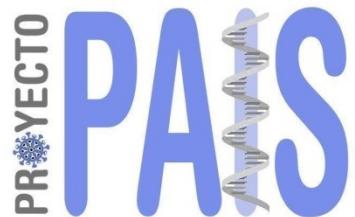




Ministerio de Ciencia,
Tecnología e Innovación Productiva
Presidencia de la Nación



PAIS project: Argentine SARS-CoV-2 Genomics Consortium “Surveillance of SARS-CoV-2 variants in Argentina”

Mariana Viegas, PhD

*Virology Laboratory, Ricardo Gutiérrez Children's Hospital
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)*

Buenos Aires, Argentina

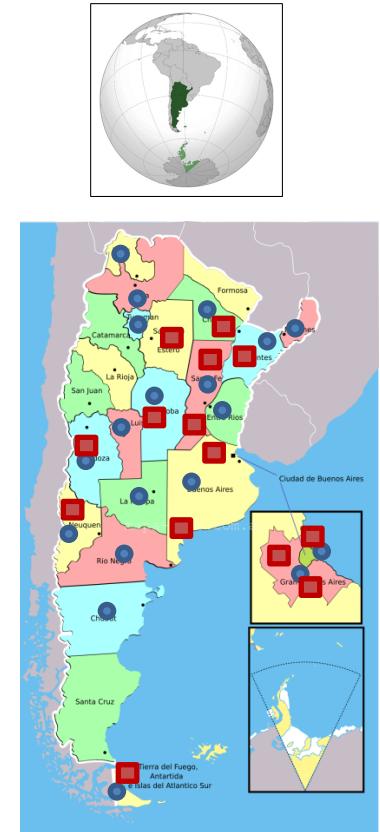
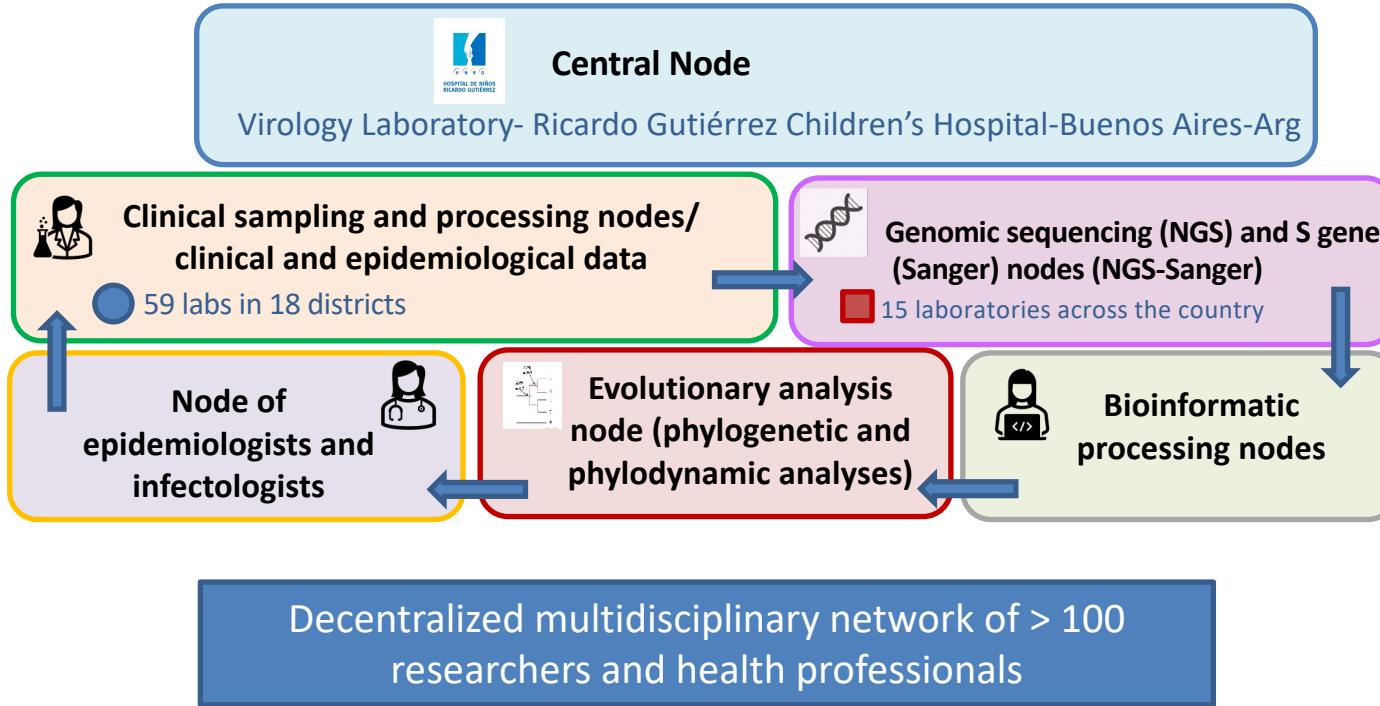


maiviegas@gmail.com

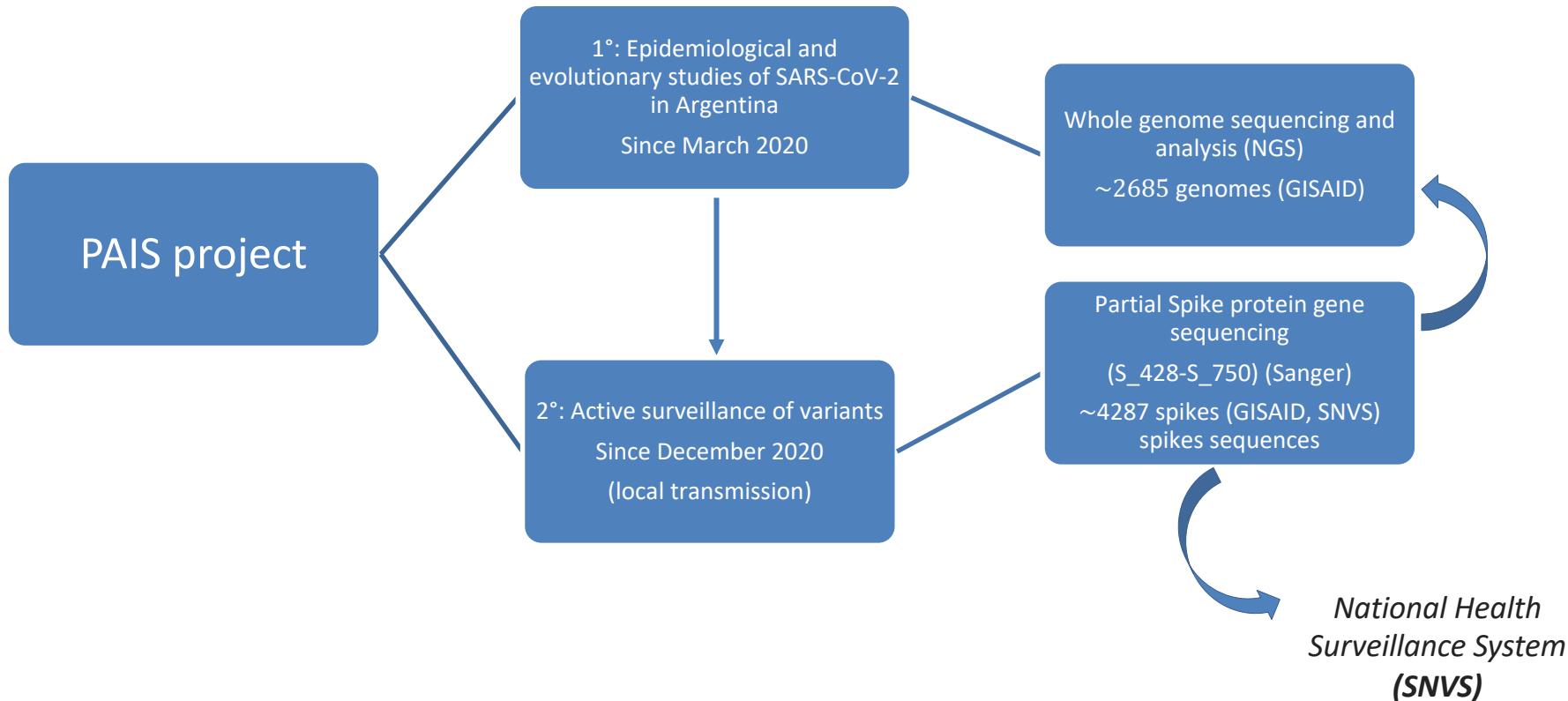


@ViegasMariana

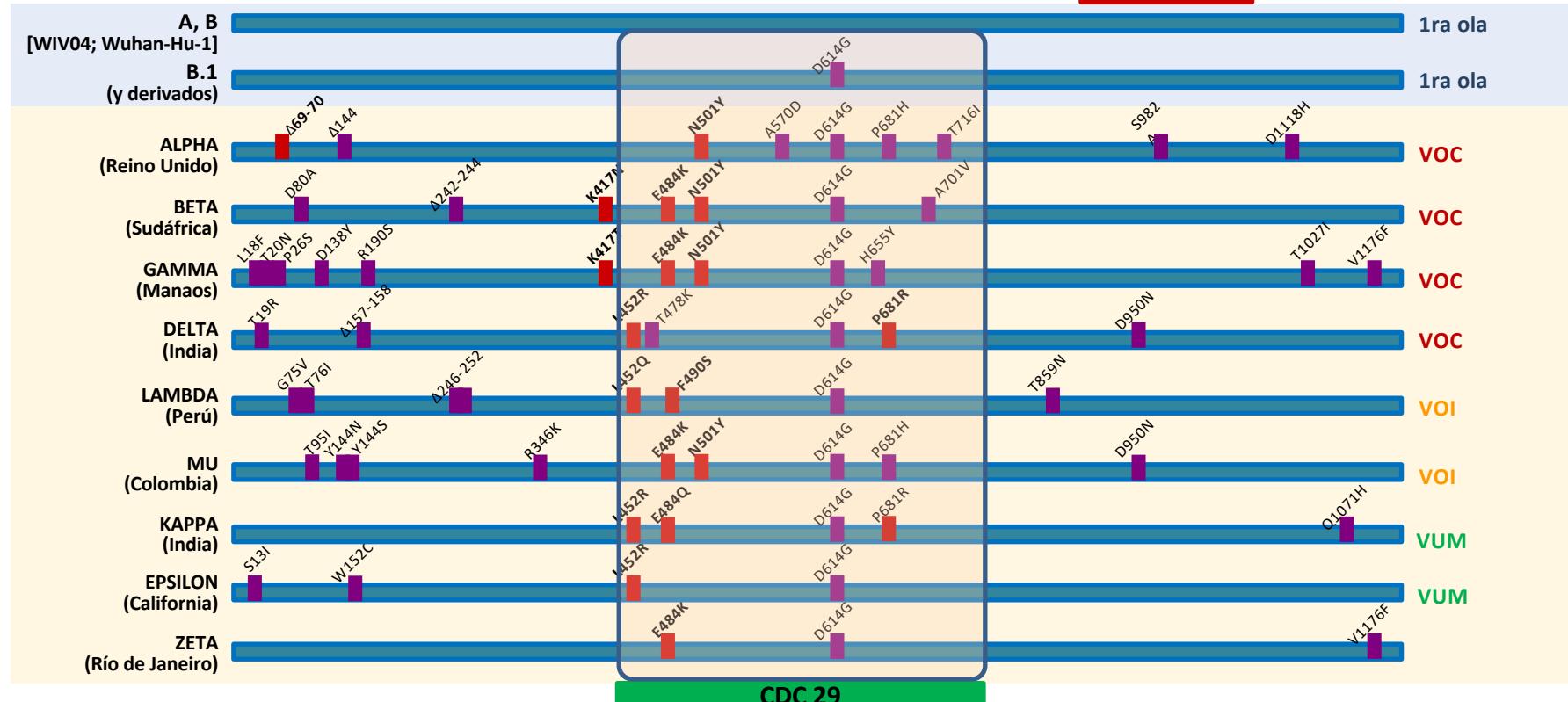
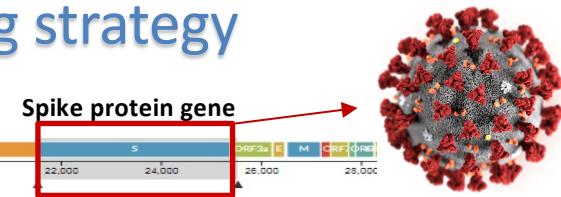
How is the Argentine SARS-CoV-2 Genomics Consortium made up of?



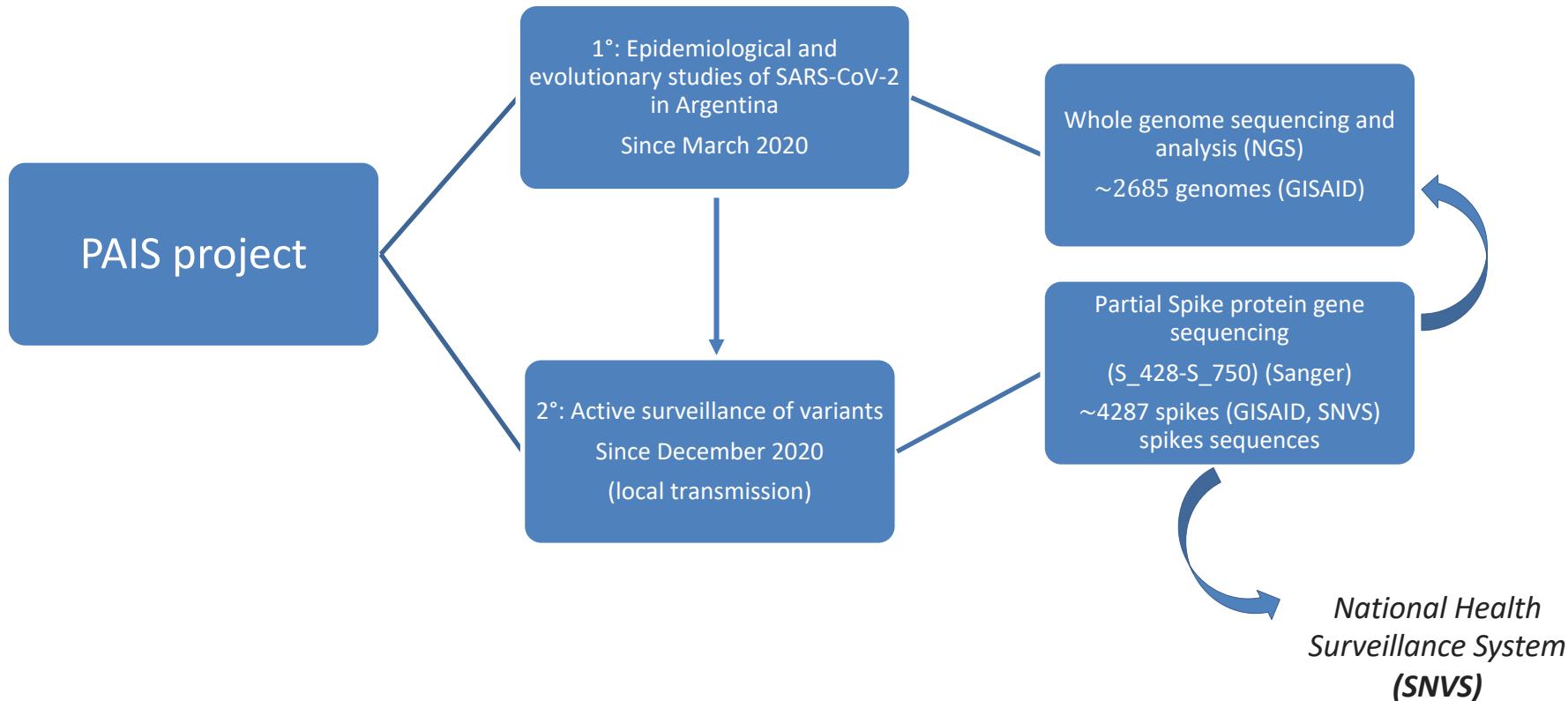
PAIS Project: Work Strategies



VOC/VOI SARS-CoV-2 Sanger sequencing strategy

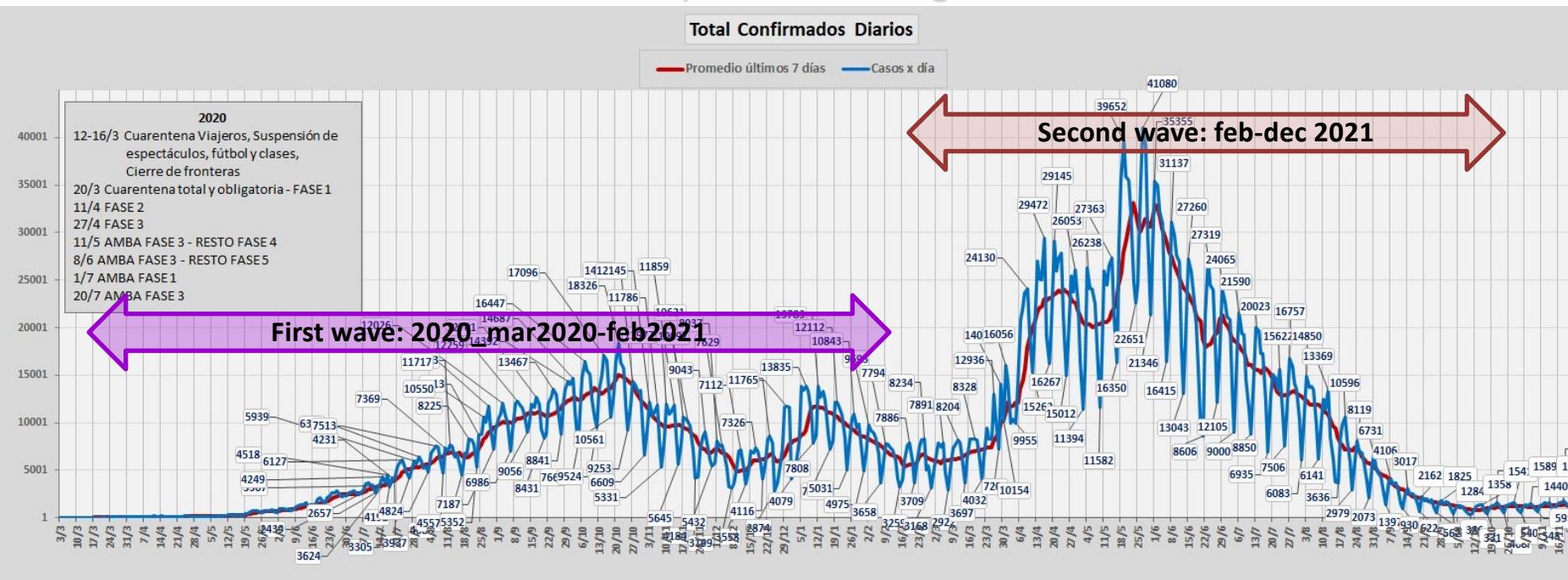


PAIS Project: Work Strategies



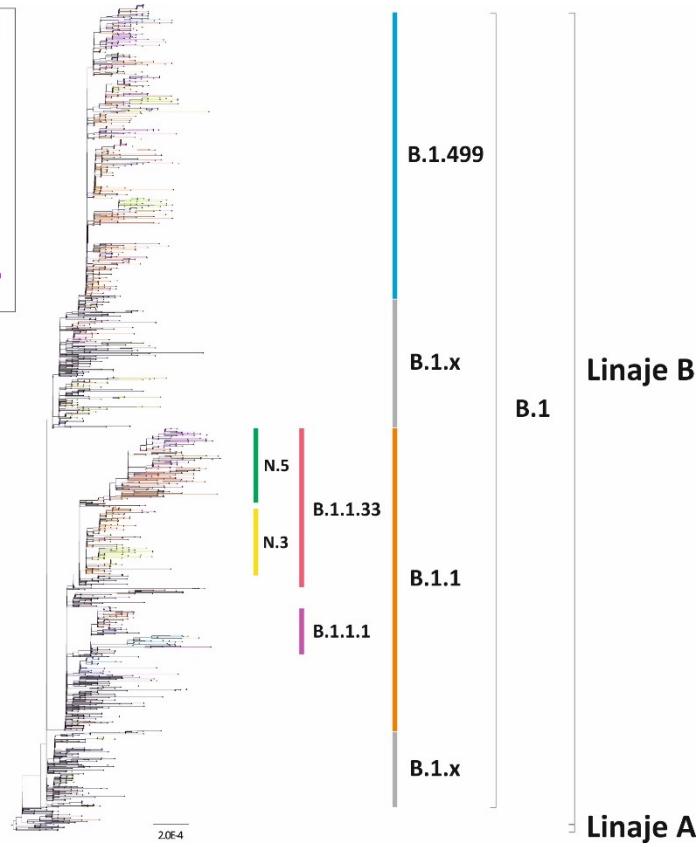
Genomic epidemiological surveillance of SARSCoV-2: first and second waves

The pandemic in Argentina:

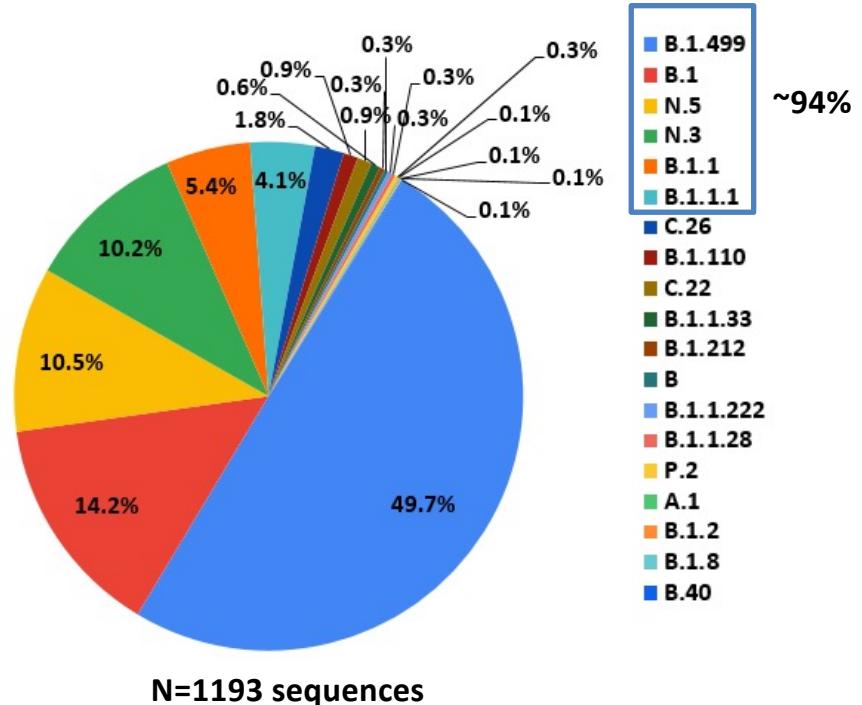


Whole genome sequencing and analysis (NGS)

| Jurisdicción |
|------------------|
| Buenos Aires |
| CABA |
| Chaco |
| Córdoba |
| Corrientes |
| Jujuy |
| La Pampa |
| Mendoza |
| Neuquén |
| Río Negro |
| Salta |
| Santa Fe |
| Tierra del Fuego |
| Tucumán |



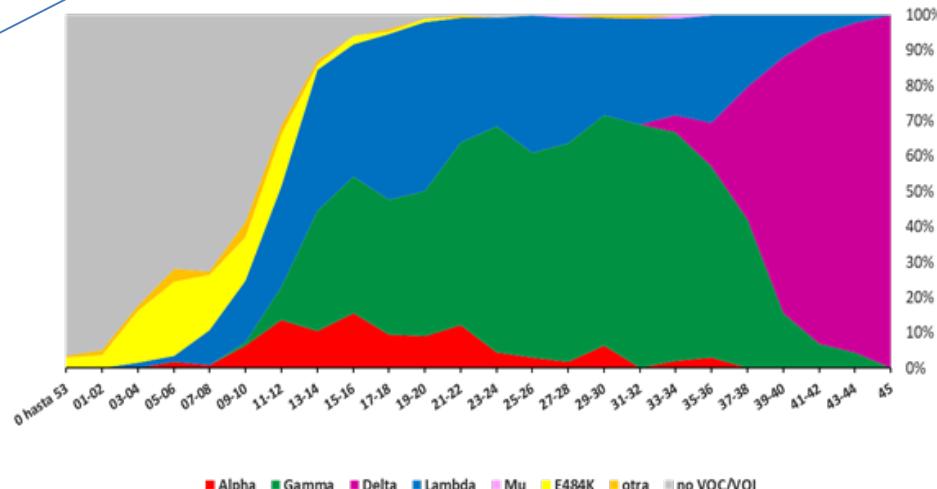
SARS-CoV-2 Argentine lineages distribution: first wave



Active surveillance of SARS-CoV-2 variants: MABA (second wave)



MABA (Metropolitan area of Buenos Aires)



Second wave in Argentina:

At the country level, the second wave was driven mainly by the Gamma variant, although with a heterogeneous distribution.

Currently in EW 49 an increase in Delta is observed in all the analyzed regions, being 100% in the MABA. So far, the omicron variant has not been detected in local transmission.

Hits and challenges of PAIS project

HITS:

- THE HUMAN CAPITAL
- THE KNOW-HOW
- THE GENEROSITY AND COOPERATION AMONG PEERS

CHALLENGES:

- THE LOW BUDGET (~USD 250,000 in two years)
- THE IMPORT RESTRICTIONS
- THE BUREAUCRATIC PROCEDURES AT THE CUSTOMS
- THE SCARCE AVAILABILITY OF LABORATORY REAGENTS FROM THE HIGH-INCOME COUNTRIES COMPANIES.



<http://pais.qb.fcen.uba.ar/index.php>

argentinaproyectopais@gmail.com

@ProyectoPAIS4

Thank you!!