

DigitalTwin for precision livestock farming



ARTIFICIAL INTELLIGENCE & OPTIMIZATION WORKSHOP

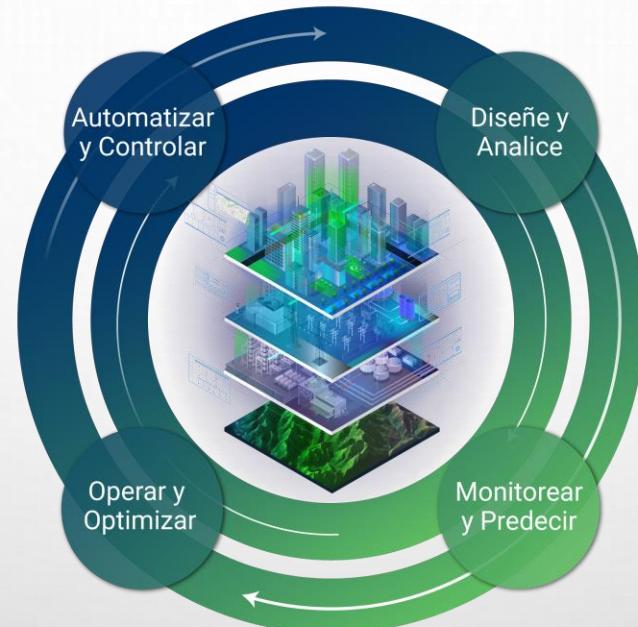


Fons Europeu Agrícola
de Desenvolupament Rural:
Europa inverteix en les zones rurals

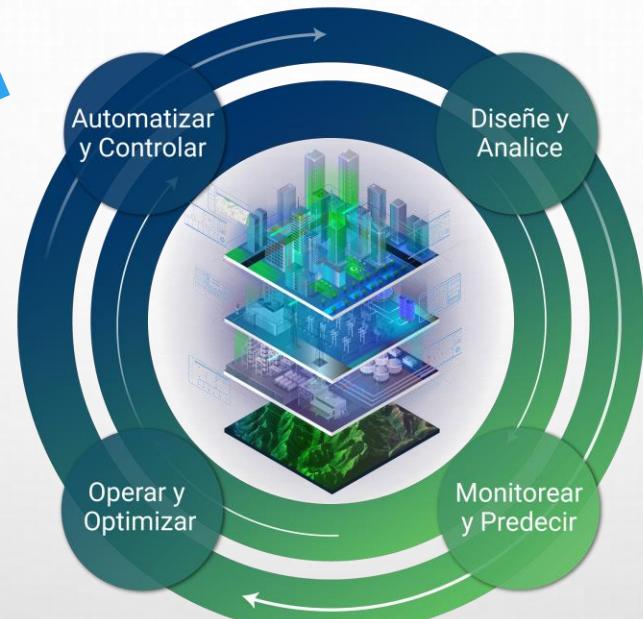
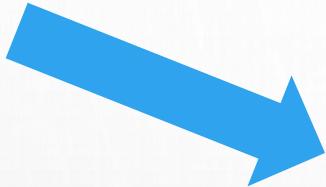
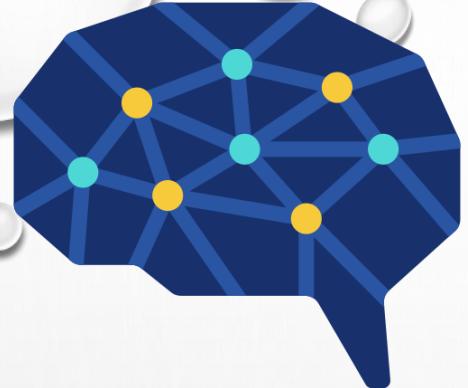
 Generalitat de Catalunya
**Departament d'Acció Climàtica,
Alimentació i Agenda Rural**



Universitat
de Lleida



Digital Twin



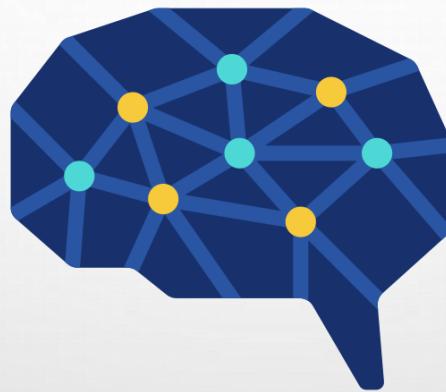
Digital Twin

ESTIMACIÓN DE PESO CON IA

RESUMIENDO MUCHO...



Elaborar un dataset
de entrenamiento

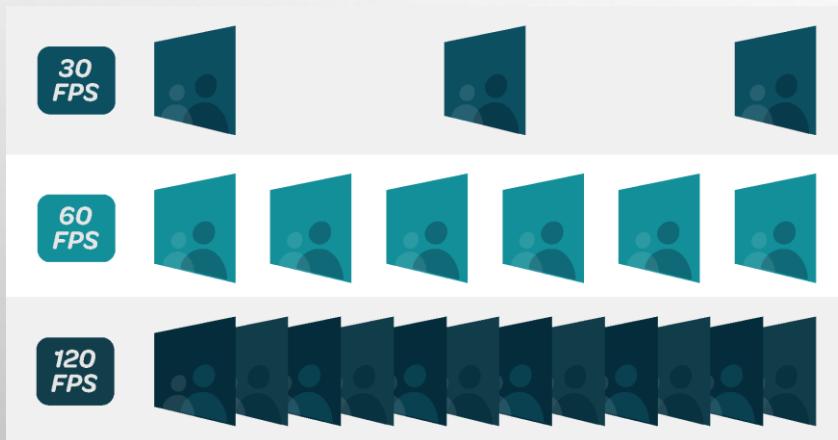


Seleccionar y entrenar
una red neuronal

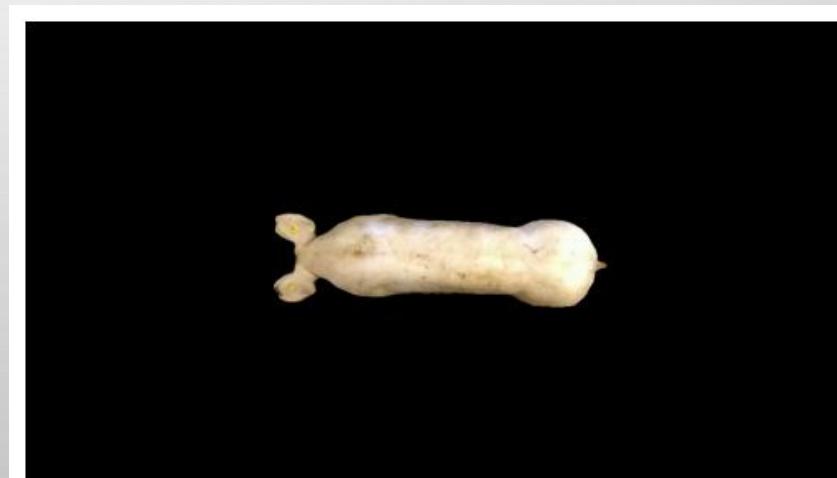
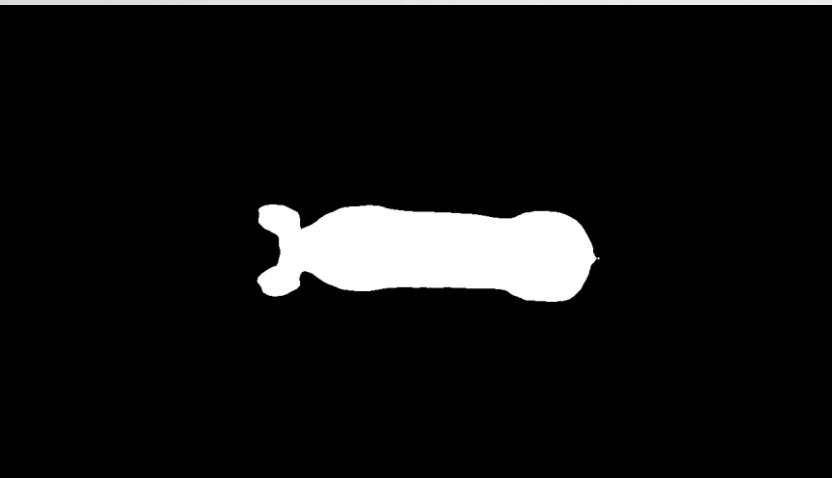


Validar la red

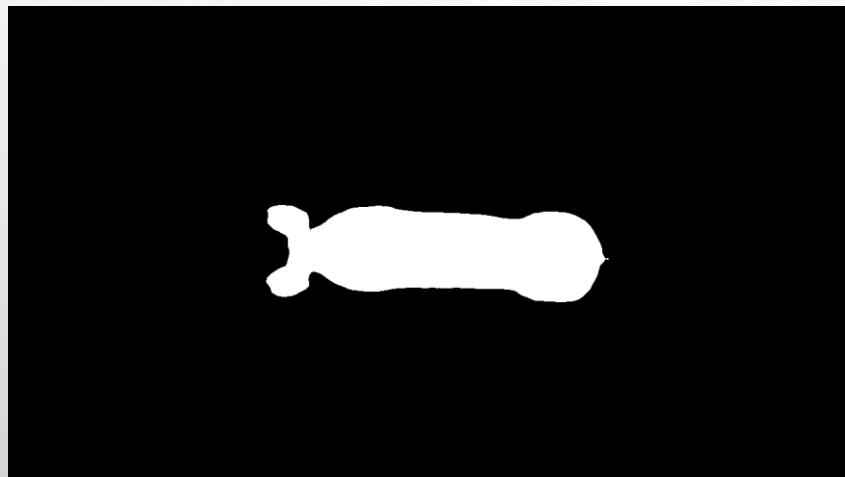
PRIMERO NECESITAMOS IMÁGENES



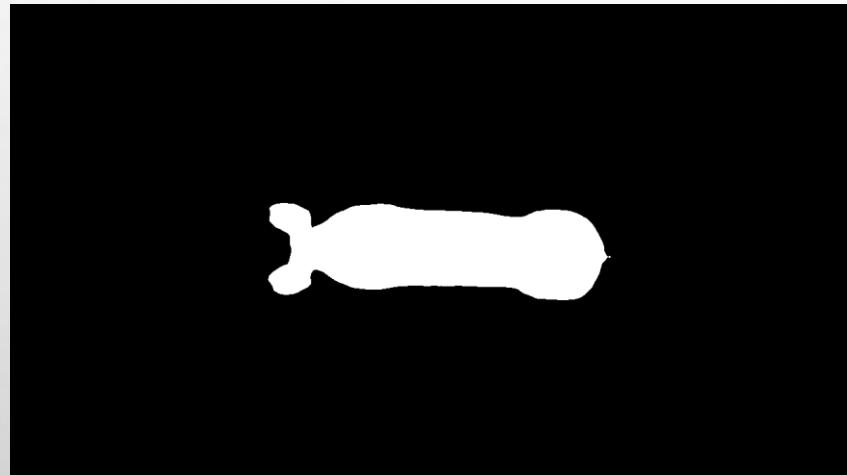
DESPUÉS, REDUCIR EL PESO



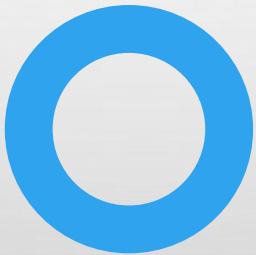
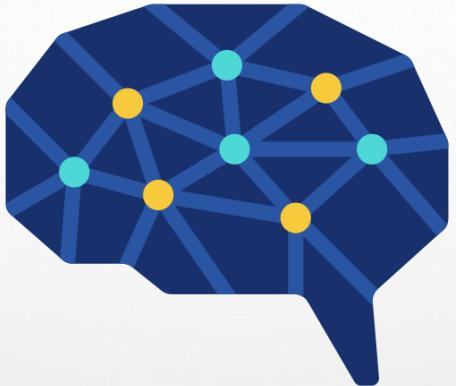
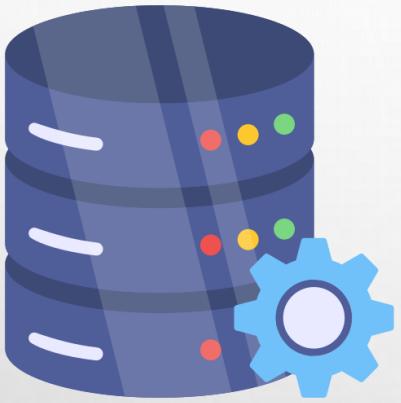
AHORA, TENEMOS QUE ANOTAR



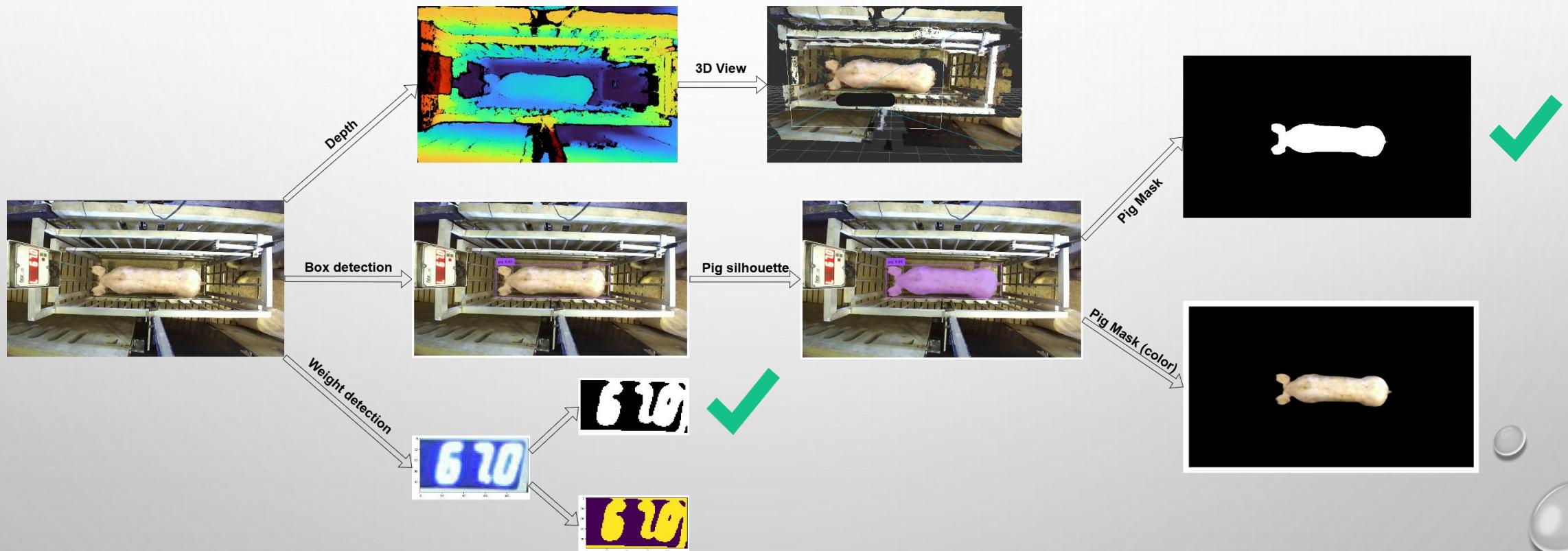
AHORA, TENEMOS QUE ANOTAR

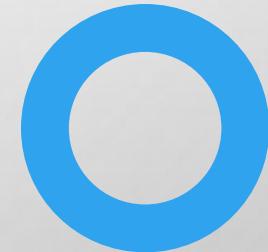
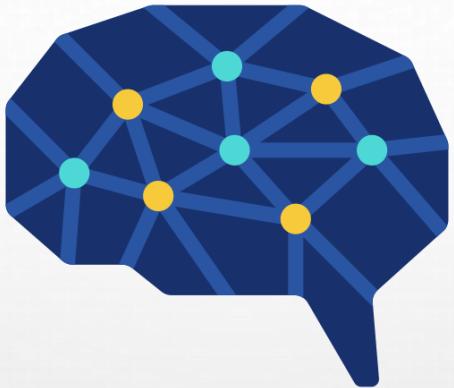


Pero... manualmente?

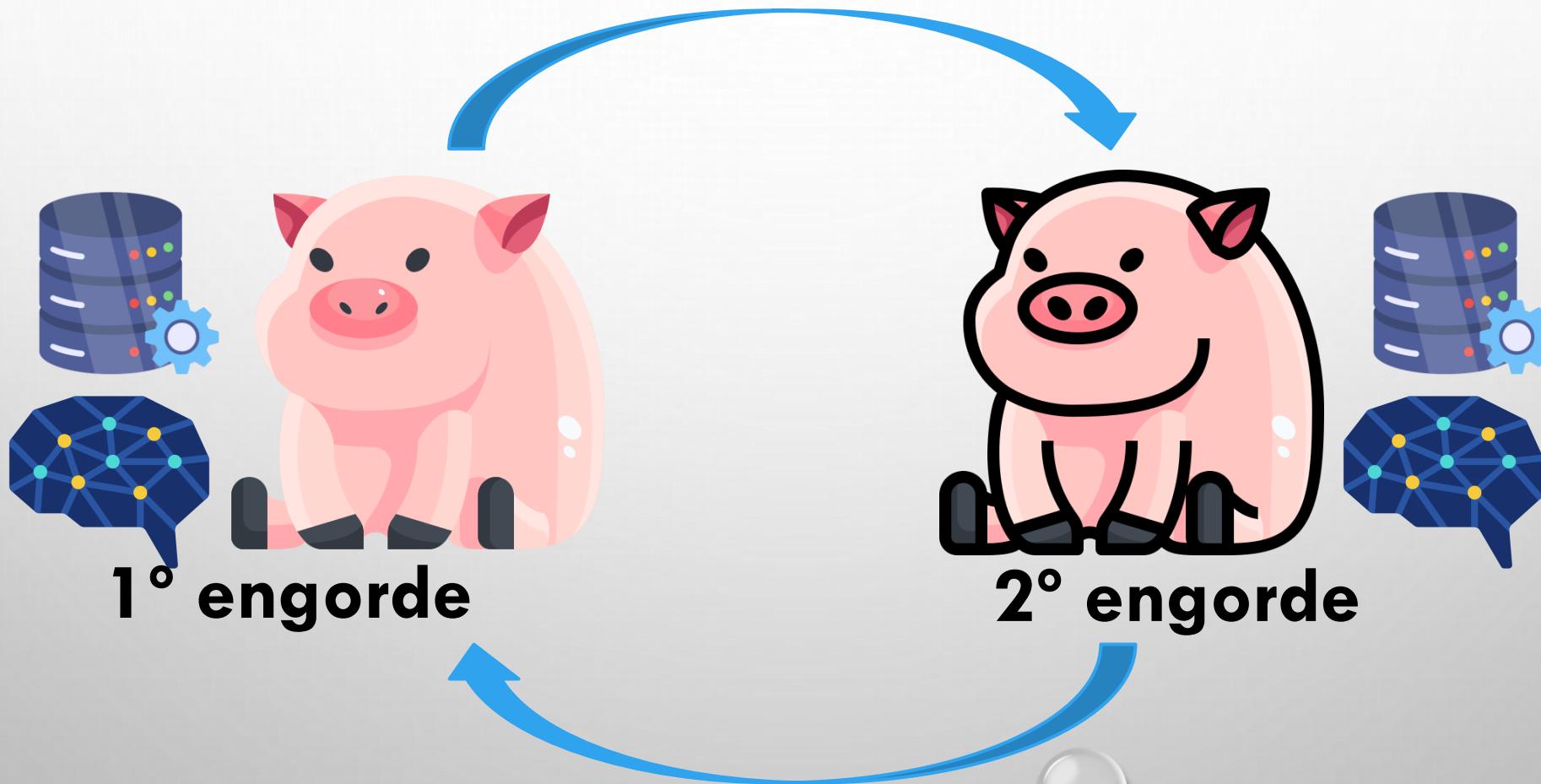


SELECCIONAMOS UN MODELO Y ENTRENAMOS

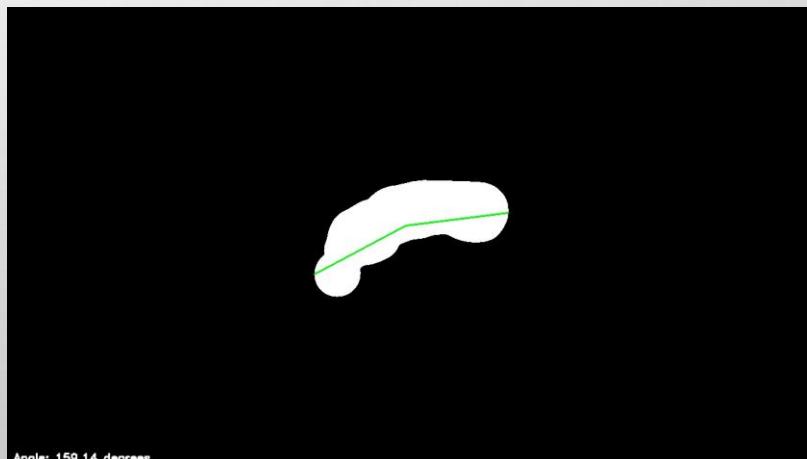
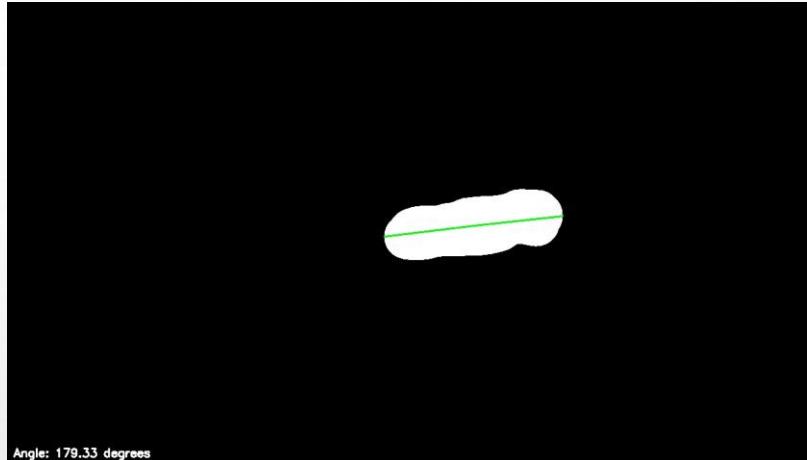




VALIDACIÓN



ITERAMOS Y MEJORAMOS



RESULTADOS (ERR ~6%)



