



# Surrogate Sires to drive genetic gains in goats for improved livelihoods in a changing climate

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## Why goats ?

- Goats are climate-smart and resilient livestock especially important to women and children
- They are *low hanging fruit* for genetic improvement – rapid gains can be made with simple interventions
- They are a low-cost model of other ruminants

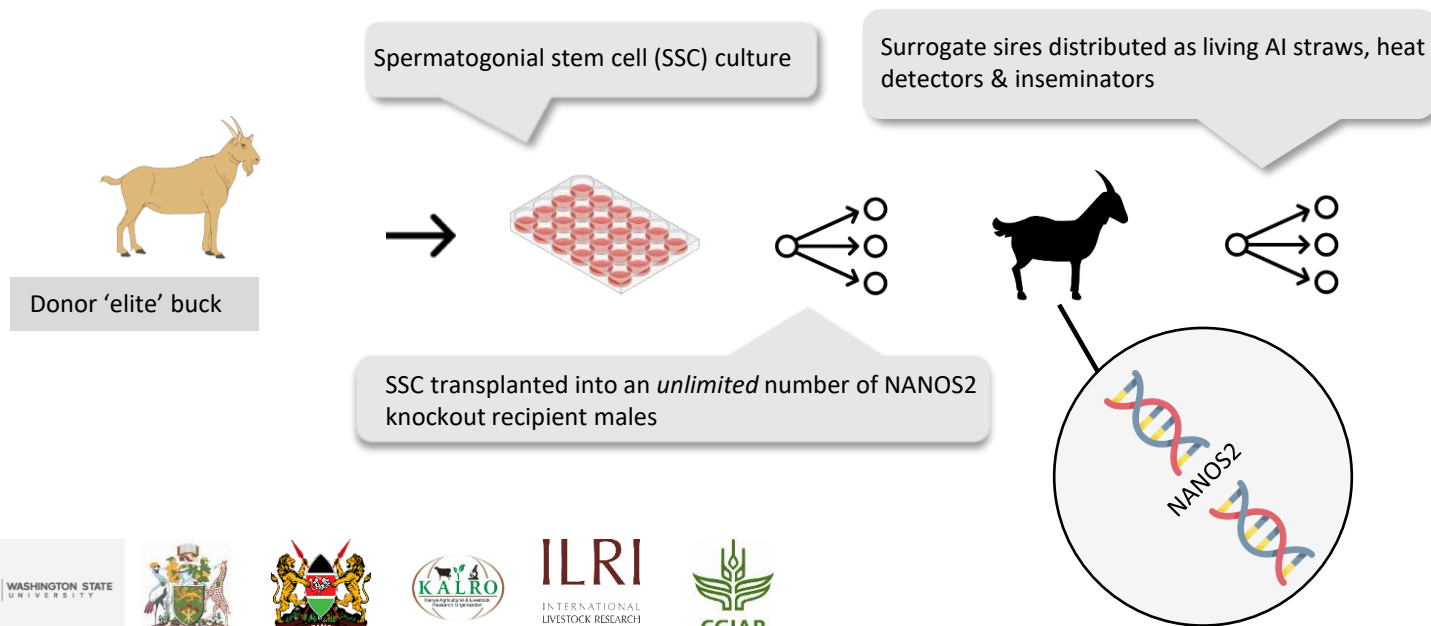
## But

- Poor genetic potential of existing populations means less milk and meat, and slow growth
- With correspondingly high adverse environmental impact of unproductive animals
- Genetic improvement can achieve rapid gains, but there is no infrastructure to enable this

## Delivery via Community Breeding schemes

- Focus on the most valuable assets in communities- their livestock
- Integrate indigenous knowledge and values in planned interventions
- Expand networks for services and market opportunities for animal offtake
- Ensure Farmer to farmer learning, and introduce options for stratification in livestock production systems

Surrogate Sires amplify the genetic potential of suitable males, while replacing the fragile, expensive & time-critical steps needed for delivery



Natural heat detection & mating yields the productive & resilient offspring desired by communities, with the added benefit of reduced environmental impact