Development of a Web-Based System for Managing Data Related to Artificial **Insemination Centers in Ethiopia**

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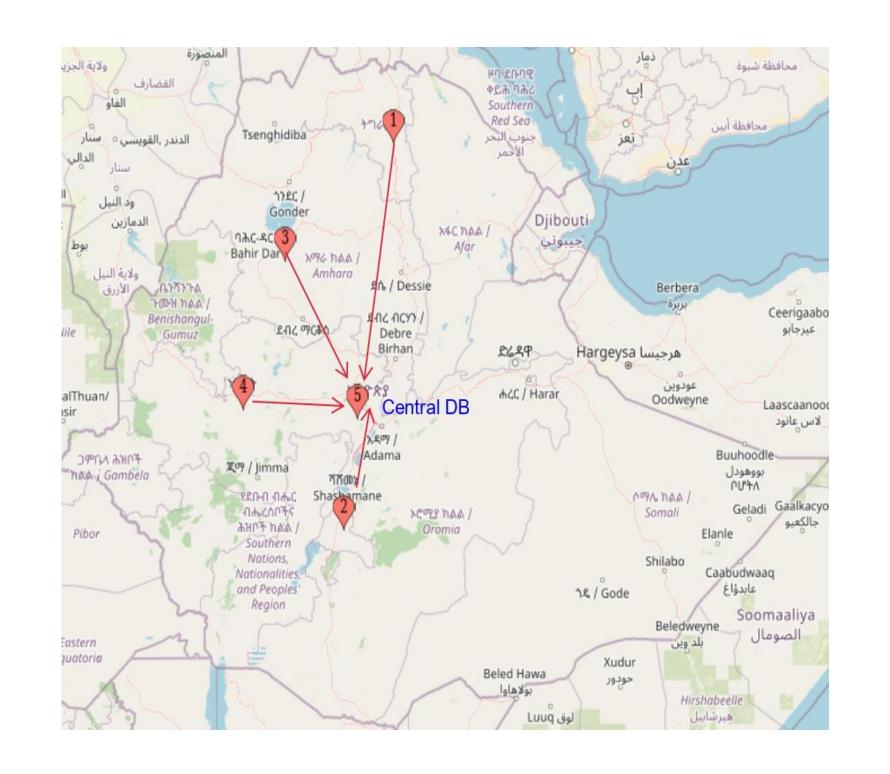
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Background

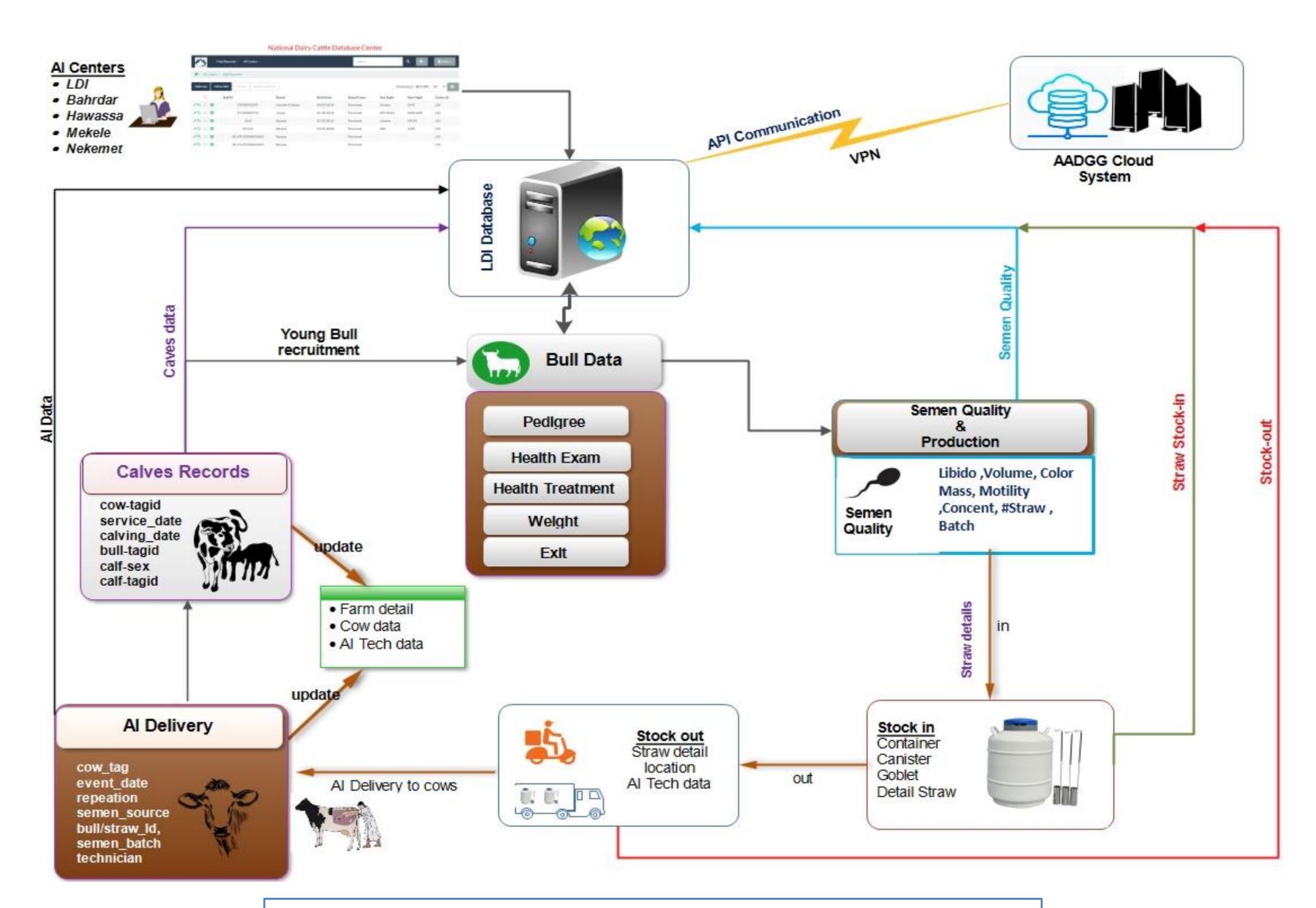
Web-based system designed to manage data in five Artificial Insemination (AI) Centers





- Data collection, processing, and generation of report
- System will serve to replace bull manual-based data, basic semen quality, semen inventory, AI service and calving related data in AI centers and dairy farms

- Unify and improve data management of AI centers
- Develop tracing system of AI service in country
- Generate data, reports and feedback to decision makers, AI centers experts and researchers



Achievements

Harmonized platform system is created for AI

centers

Traceability of AI efficiency at the farm level is now

possible

Field Records - AI Center

Holstein Friesian

Birth Date

8/13/2020

Motility

- Field AI related data is linked with the national
 - dairy cattle database system
- Data, reports, feedback and evidence for goal dairy sector improvement.
- Cross-platform communication with AADGG system

Sire Tagid

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Methods

- Language PHP , JavaScript, Python
- Database MySQL
- User Interface :HTML, AJAX, JQUERY
- Database Sync: API

Conclusion

The system able to capture, processing, and generate Al related data for all AI centers bringing harmonized dataset, improved economic ramifications, and contribution on evaluation of national dairy breeding program.

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Date Year.

Dairy Database System

Export selected

FT0000086

Health Routine 🗹 👘 Bull Health Exam (

🛖 / AI Center 🗸 / Bull Records 🗸



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Center Id

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