



anuvaaad
SOLUTIONS



Measuring Women's Empowerment

WEAI

A-WEAI

Pro-WEAI

Core

Health & Nutrition

Livestock

Market Inclusion

Optional add-on modules

Decisions about own health and diet • Feels safe to • Feels to prepare • Feels to eat	Decisions about own health and diet during pregnancy • Feels safe to • Feels to prepare • Feels to eat	Autonomy in working conditions	Feels to be able to use of genital health services (GHS) for pregnancy related care	Control over use of income and assets
Decisions about child's diet • Feeding child eggs • ... milk • ... meat	Decisions about feeding and breastfeeding • Initiation to • Breastfeed • Exclusive for some • Using other food	Entrepreneurial mindset	Input in decisions about work/education	Empowerment awareness
Decisions to purchase their own health products • Feels • Feels to purchase health products • Feels to purchase	Can access to food and health products • Feels • Feels to purchase health products • Feels to purchase			
Decisions to seek health care • Feels to seek • Feels to seek • Feels to seek				



Overview



	Domains		Indicators	
WEAI	<ol style="list-style-type: none"> 1. Decisions about agricultural production 2. Access to and decision-making power about productive resources 3. Income 4. Leadership in the community 5. Time allocation 		10	
A-WEAI	<ol style="list-style-type: none"> 1. Decisions about agricultural production 2. Access to and decision-making power about productive resources 3. Income 4. Leadership in the community 5. Time allocation 		6	
Pro-WEAI	<ol style="list-style-type: none"> 1. Intrinsic Agency 2. Instrumental Agency 3. Collective Agency 	<p><i>Added:</i></p> <ul style="list-style-type: none"> -Mobility -Domestic Violence -Health 	<p><i>Optional:</i></p> <ul style="list-style-type: none"> -Livestock -Nutrition and health 	12
Pro-WEAI + MI	<ol style="list-style-type: none"> 1. Intrinsic Agency 2. Instrumental Agency 3. Collective Agency 	<p><i>Added:</i></p> <ul style="list-style-type: none"> -value chain indicators - mixed methods 		12+ TBD
WELI	<ol style="list-style-type: none"> 1. Decisions about agricultural production 2. Decisions related to nutrition 3. Access to and control over resources 4. Control and use of income 5. Access to and control of opportunities 6. Extent and control of work time 	<p><i>Added:</i></p> <ul style="list-style-type: none"> -livestock specific indicators 		16
WELBI	<ol style="list-style-type: none"> 1. Intrinsic Agency 2. Instrumental Agency 3. Collective Agency 	<p><i>Added:</i></p> <ul style="list-style-type: none"> -livestock business sector beyond producers 		12

Women's Empowerment in Agriculture Index (WEAI)

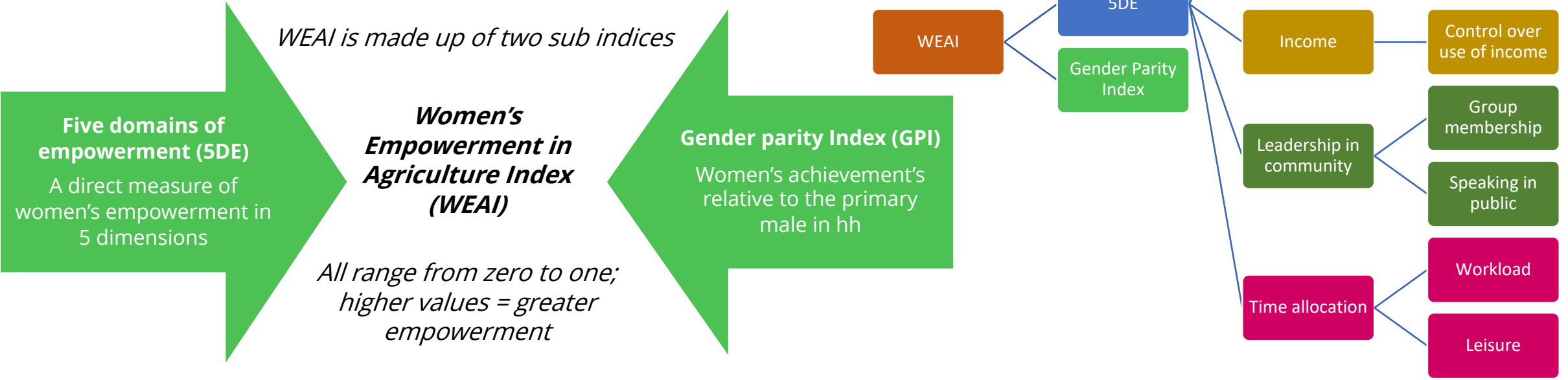
Year: 2012, International Food Policy Research Institute (IFPRI)

Objective:

- multidimensional measure of (dis)empowerment among *producers* in agriculture
- population-based monitoring
- originally developed to monitor Feed the Future Initiative

Unit: Individual-level data from *women* and *men* within the same household

Pilot Countries: Bangladesh, Guatemala, Uganda



Abbreviated Women's Empowerment in Agriculture Index (A-WEAI)

Year: 2015, IFPRI

Objective: to improve WEAI based on implementation experiences

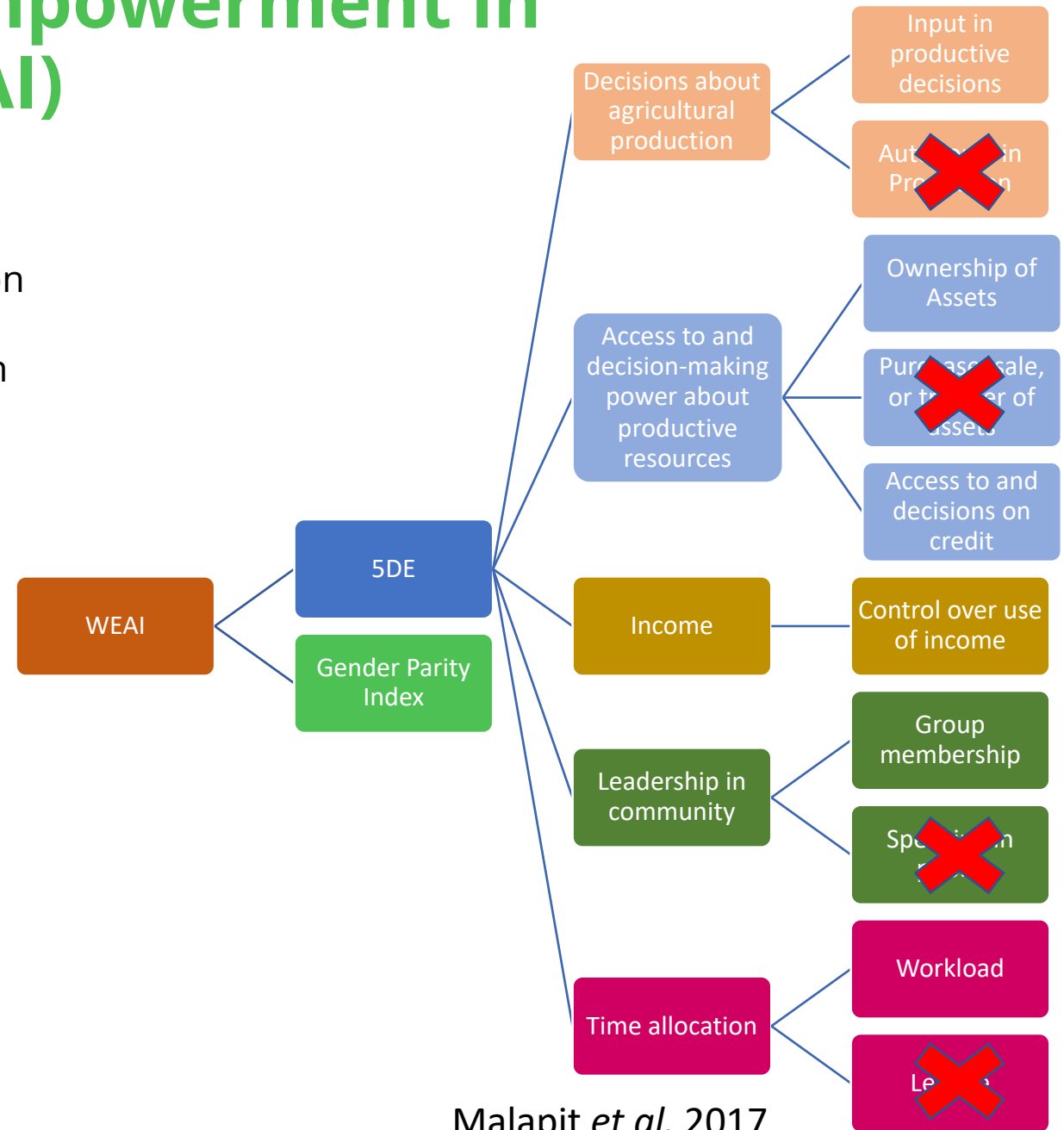
-shorten WEAI (30% cut interview time; 6 indicators in 5DE instead of 10)

-Some modules were difficult to understand

Unit: individual-level data from *women* and *men* in same household

Pilot Countries: Bangladesh and Uganda

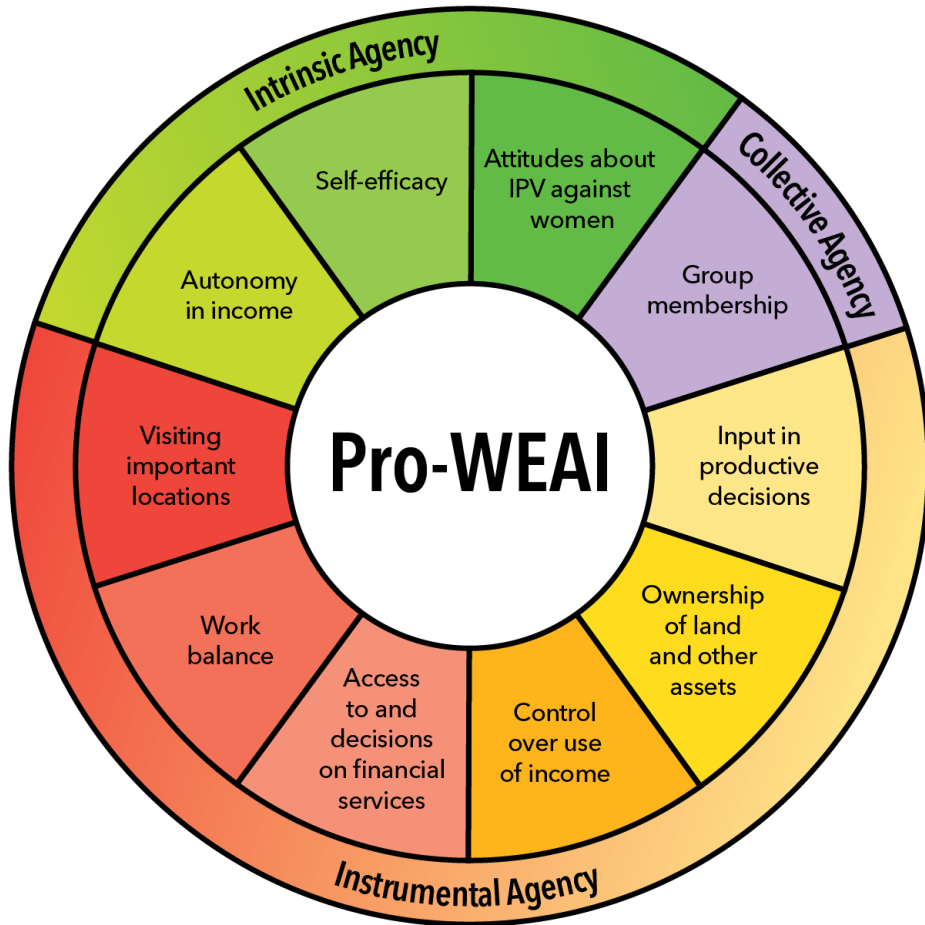
Robustness checks show not perfect proxy for WEAI



Malapit *et al.* 2017



Project-Level Women's Empowerment in Agriculture Index (pro-WEAI)



3 types of agency | 12 indicators*

* Under development: indicators to be removed with 10 indicators remaining

Year: 2016, IFPRI

Objective: project-based survey

- measure impact of agricultural development projects (2-5 years) on women's empowerment
- diagnostic tool for tailoring projects to specific settings
- set of qualitative protocols
- health, mobility, domestic violence were added

Unit: intended beneficiaries of intervention (could be woman or man)

- individual-level primary adult in household

Optional modules:

- livestock
- nutrition and health

Pilot: 13 agricultural development projects part of Gender, Agriculture, and Assets Project, Phase 2 (GAAP2)

Project Women's Empowerment in Agriculture Index for Market Inclusion (pro-WEAI + MI)

Year: 2019, IFPRI
(formerly WEAIVC)

Objective: build on pro-WEAI with value-chain specific indicators + MI measures empowerment across value chain not just production
Same three types of agency and GPI as pro-WEAI

Unit: same as pro-WEAI

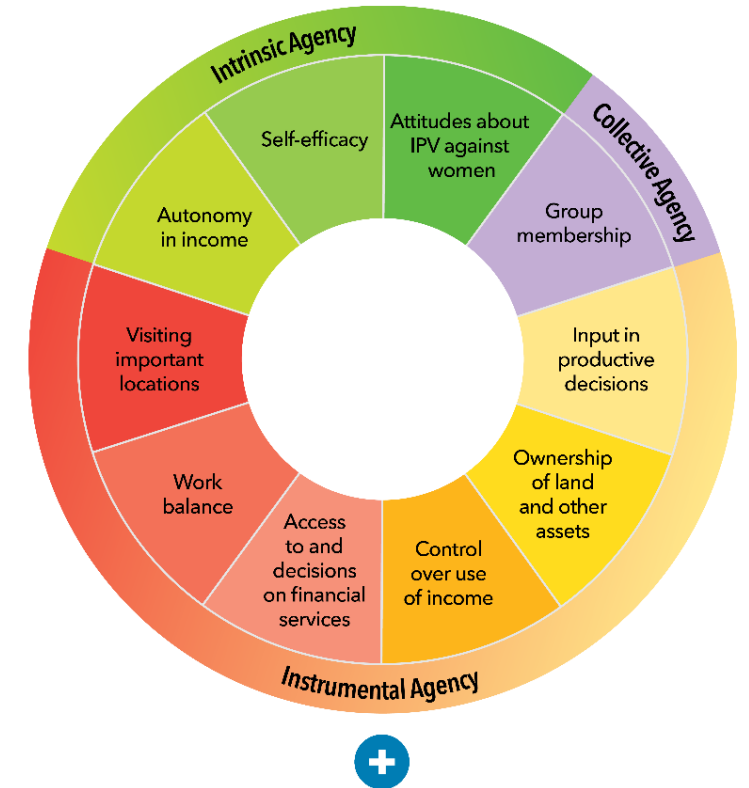
Pilots:

-*Bangladesh:* empowerment for women and men as 1) producers, 2) entrepreneurs, 3) wage workers

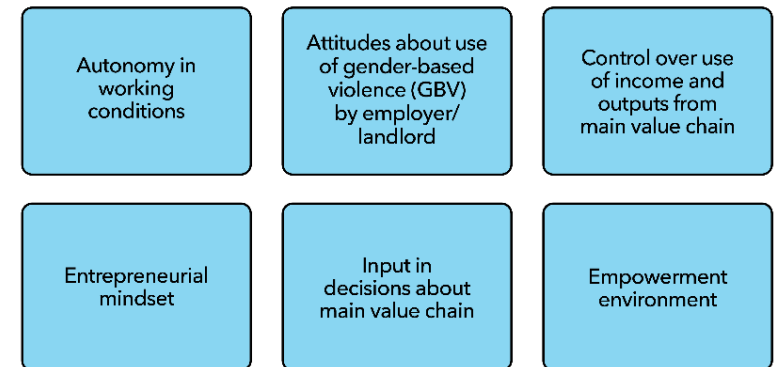
-*Philippines:* empowerment for women and men as 1) producers, 2) processors, 3) trading, 4) marketing in abaca, coconut, seaweed, and swine value chains

-*Malawi:* workers in aquaculture, mango, pineapple, and vegetables value chains

-*Benin:* workers in rice, soy, chicken, compost value chains



Market Inclusion Indicators





Applying New Evidence for Women's Empowerment (ANEW)

Year: still in development (2021-2023)

Objective: Builds on pro-WEAI + MI

- Sharpens focus on marketable agricultural products
- Develops measures of collective empowerment, including at the group level
- M&E tool to track women's empowerment

Unit: same as the pro-WEAI

Pilot:

- Mexico:* coffee farmer collectives with Root Capital
- Guatemala:* farmer producer organizations with TechnoServe
- India:* farmer producer organizations with Grameen Foundation
- India:* women's self-help groups and women's farmer producer organizations with PRADAN

Women's Empowerment in Nutrition Index (WENI)



Year: 2017, CORD-IGIDR-NIN-Univ. of Texas, Austin (Funded by IMMANA)

Objective: To contribute to a shift in thinking about empowerment in the context of women's own nutrition.

Conceptualize & measure *nutritional empowerment*

Validate by predicting nutritional and health outcomes (BMI & anemia)

Indicators 33 indicators covering 7 Domain-Dimensions (40 including 3 Fertility domain-Dimensions)

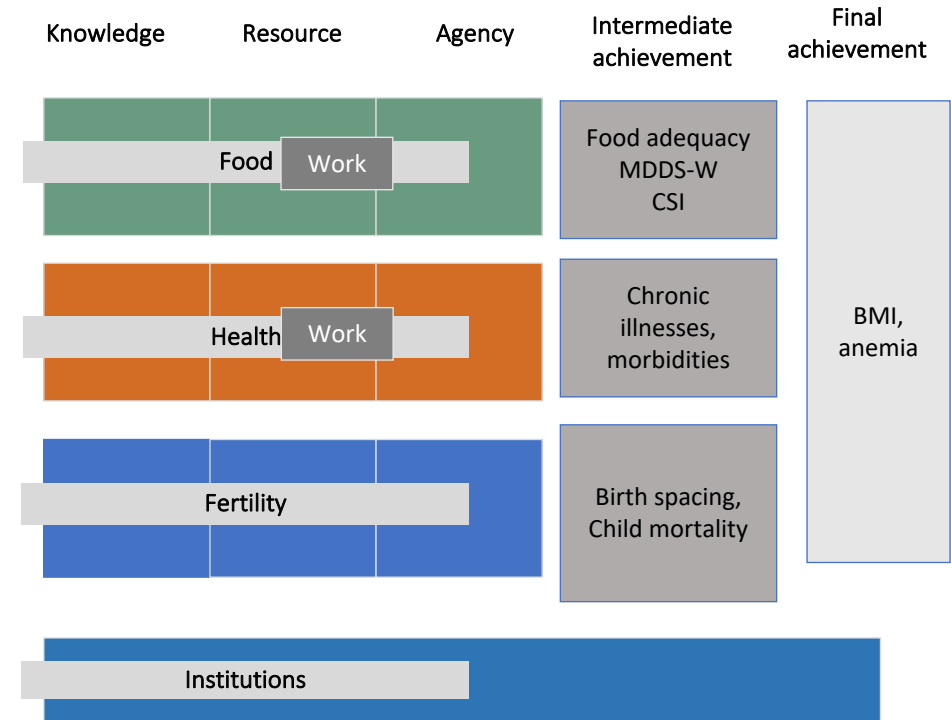
Unit: individual-level data from women; can be computed for any Adult.

Pilots: Formative research in Bangladesh and India

Pilot in Bihar and Odisha, India; validated in Maharashtra, Tamil Nadu, Kerala and West Bengal (India)

Validation in Kenya (2021-22), funded by IMMANA

Notes: A-WENI or Abridged WENI consists of 20 indicators (rather than 33) covering 7 Domain-Dimensions, identified via machine learning (Saha and Narayanan, 2022)



Women's Empowerment in Livestock Index (WELI)



Year: 2015, developed by ILRI and Emory University; 2019 aligned to pro-WEAI in collaboration with IFPRI

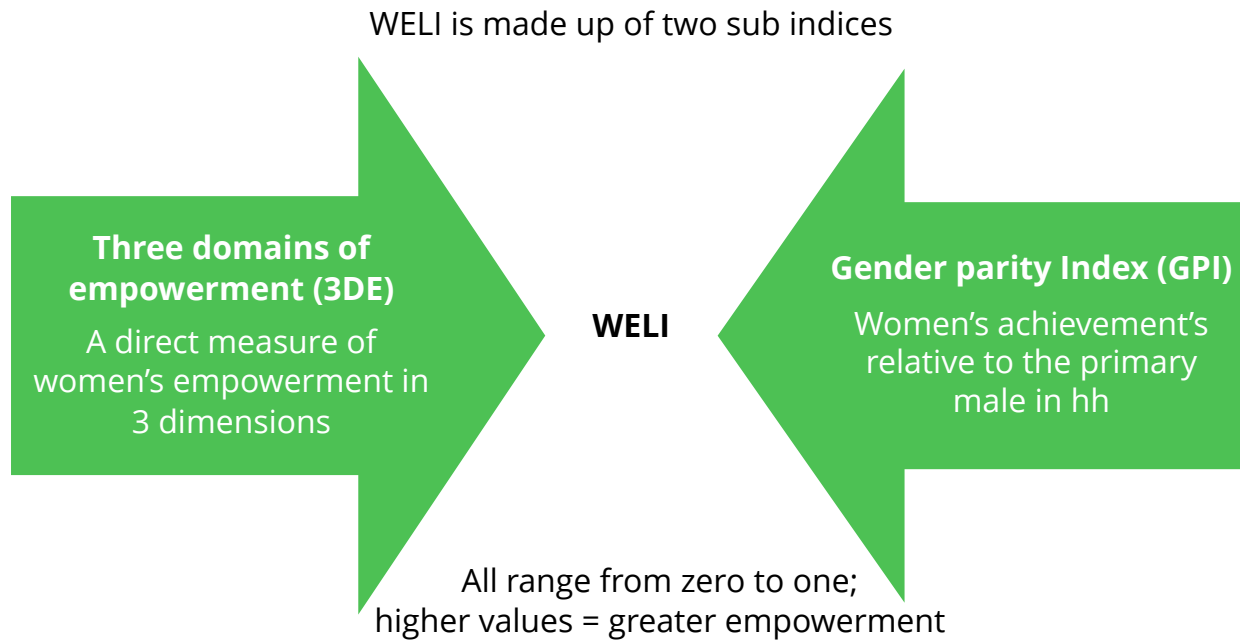
Objective:

- A standardized measure of (dis)empowerment for households where livestock is main source of livelihood or
- A standardized measure of (dis)empowerment for assessing impact of livestock interventions

Unit: Individual-level data from *women* and *men* within the same household

Pilot Countries: Tanzania (2018), Ghana (2020), Tanzania (2021) and Ethiopia (2022)

Women's Empowerment in Livestock Index (WELI)



0.9 weight



0.1 weight



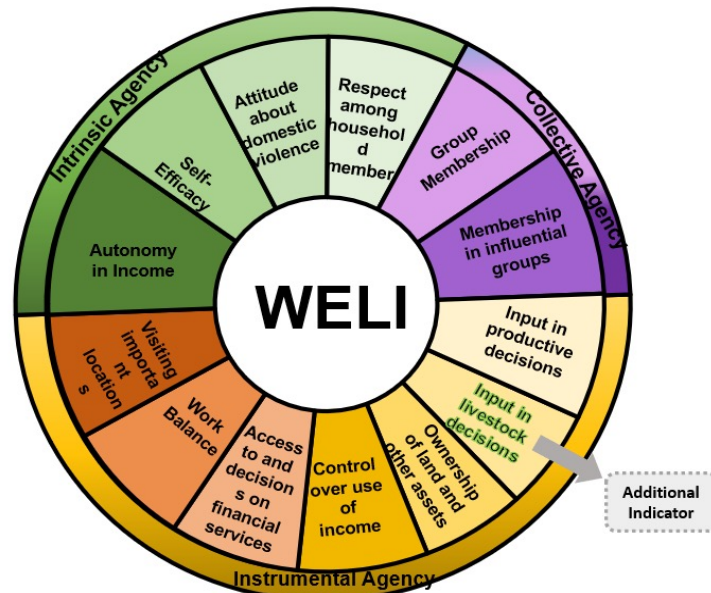
Composite WELI score



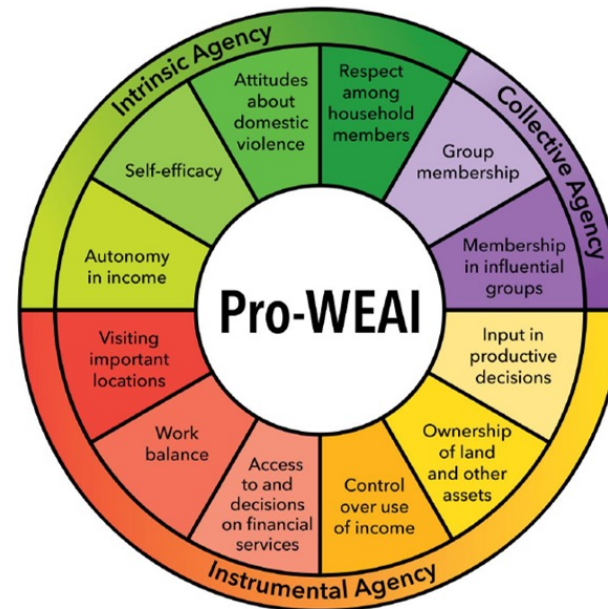


WELI vs Livestock-integrated Pro-WEAI

- **Elaborate list of livestock activities** in WELI's decision making modules: **24 vs 5**
- WELI integrates **more livestock related scenarios/options** in several modules (autonomy, domestic violence, physical mobility etc.)
- WELI is **fashioned to pick out on** decision making related to the **most important species** for both household's and the women's livelihoods



3 Dimensions and 13 Indicators



3 Dimensions and 12 Indicators

Women's Empowerment in Livestock Index (WELI)

Decisions about agricultural production	Input into productive decisions	Decisions on choice of livestock species or crops, breeding strategies inputs, labor, etc.
	Autonomy in production	Responsibility for animal health and food safety management
Decisions related to nutrition (includes safety issues)	Input into nutrition decisions	Decisions on type and quantity of food kept and consumed
	<i>Not included in WEAI</i> Autonomy in nutrition	Decisions regarding the purchase, sale, or transfer of crop and land assets
Access to and control over resources	Ownership and control of livestock assets	Decisions regarding the purchase, sale or transfer of livestock assets
	Ownership and control of land and crop assets	Decisions regarding the purchase, sale or transfer of crop and land assets
	Credit access	Loan recipient within household
Control and use of income	Control over farm income	Decisions about use of income generated from farm-based activities
	Control over non-farm income	Decisions about the use of income generated from non-farm activities
	Control over expenses	Decisions about use of income for household expenditures
Access to and control of opportunities	Access to markets	Responsibility for marketing decisions (e.g. who decides which market to sell at)
	Access to non-farm income opportunities	Decisions on pursuing non-farm business or employment
	Access to training, information and groups	Whether female respondent has access to information or is member of group
Extent and control of work time	Total workload	Amount of time allocated to productive and domestic tasks
	Proportion of revenue generating workload	Share of revenue-generating activities of total work-load
	Control over own time	Responsibility for allocating jobs within farm and household



Women's Empowerment in Livestock Business Index (WELBI)

Year: 2021, Adapted from WELI and aligned to WEAI-VC by ILRI

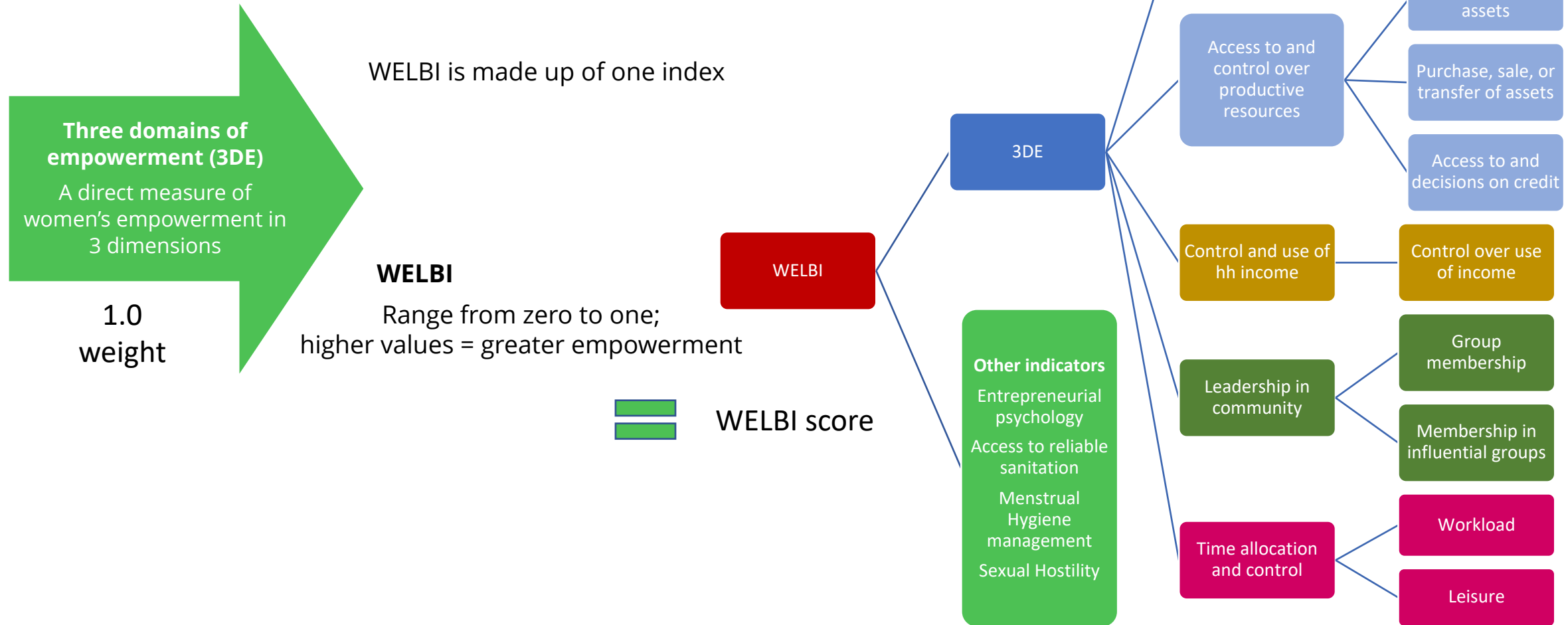
Objective:

- measure empowerment of women in livestock *business* sector beyond only producers
- integrates business and household spheres of livelihood in one tool

Unit: individual-level woman or man from households in livestock business

Pilot Countries: existing projects in Ghana, Tanzania, and Ethiopia

Women's Empowerment in Livestock Business Index (WELBI)





Measures for Advancing Gender Equality (MAGNET)

Year: In progress (2021–2023), World Bank, IFPRI, Oxford University, IRC

Objective: Broaden and deepen the measurement of women's agency

- Develop and test new tools and methods
- Promote adoption of these measures at scale

3 Dimensions of Focus

- Control over assets
- Goal setting and decision making
- Sense of control and efficacy

Unit: Individual-level

Pilot: At least 24 separate tools/methods will be piloted in at least 3 contexts each (total of 72 rounds of data collection), primarily by piggy-backing on existing survey efforts by partners

Resources



WEAI Resource Center : <http://weai.ifpri.info>

Choosing the Right WEAI: WEAI: <https://weai.ifpri.info/choosing-the-right-weai/>

Foundations Course (free) : <https://weai.ifpri.info/distance-learning/>

Key publications:

Alkire, S., Meinzen-Dick, R., Peterman, A., Quisumbing, A., Seymour, G. and Vaz, A., **2013**. The women's empowerment in agriculture index. *World development*, 52, pp.71-91.

Malapit, H.J., Pinkstaff, C., Sproule, K., Kovarik, C., Quisumbing, A.R. and Meinzen-Dick, R.S., **2017**. The abbreviated women's empowerment in agriculture index (A-WEAI).

Malapit, H., Quisumbing, A., Meinzen-Dick, R., Seymour, G., Martinez, E.M., Heckert, J., Rubin, D., Vaz, A., Yount, K.M., Phase, G.A.A.P. and Team, S., **2019**. Development of the project-level Women's Empowerment in Agriculture Index (pro-WEAI). *World development*, 122, pp.675-692.

Narayanan, S., Lentz, E., Fontana, M., De, A. and Kulkarni, B., **2019**. Developing the women's empowerment in nutrition index in two states of India. *Food Policy*, 89, p.101780.

Galiè, A., Teufel, N., Korir, L., Baltenweck, I., Webb Girard, A., Dominguez-Salas, P. and Yount, K.M., **2019**. The women's empowerment in livestock index. *Social Indicators Research*, 142(2), pp.799-825.



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