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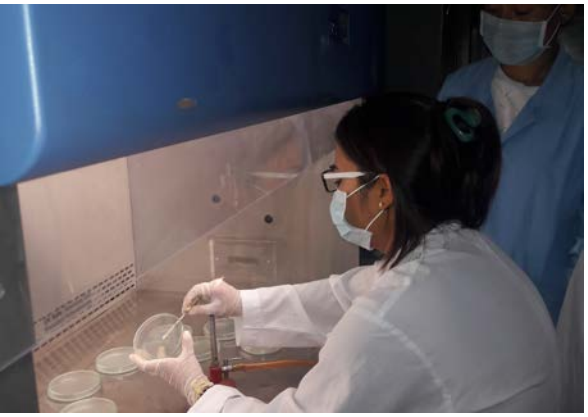

Integrating Gender and Nutrition into the Data Collection & Analysis Phase of International Livestock Research Projects

Dr. Kathleen Colverson
Lead, Gender in Livestock Systems

Dr. Sarah McKune
Lead, Human Health and Nutrition

with assistance from: Lacey Harris-Coble

Gender and Nutrition Webinar 2
June 13, 2018
Feed the Future Innovation Lab for Livestock Systems

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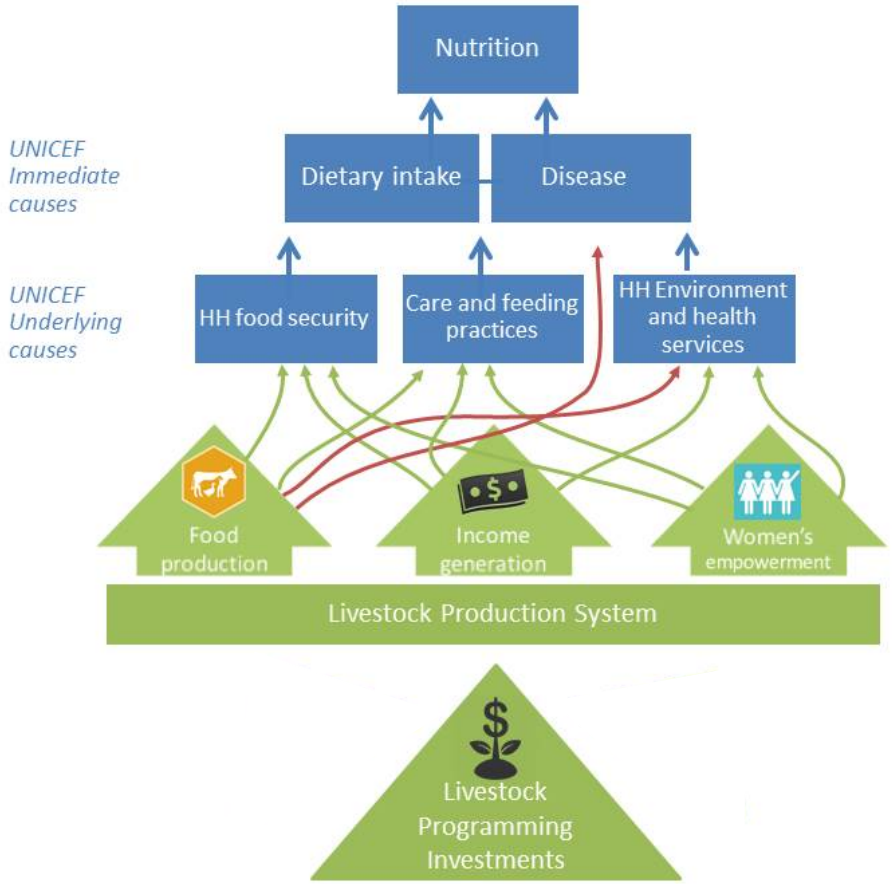
RECAP FROM THE FIRST WEBINAR

Modified UNICEF Nutritional Framework



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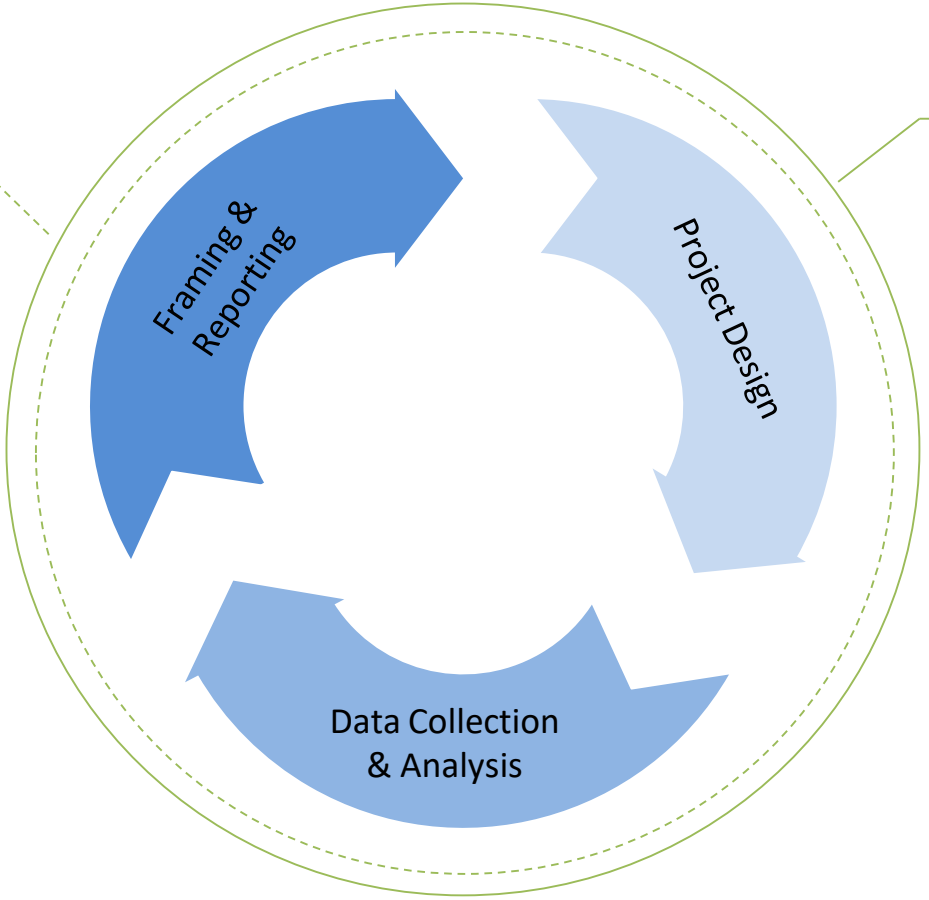
Integrating Nutrition into the Research Content

Integrating Gender into the Research Content



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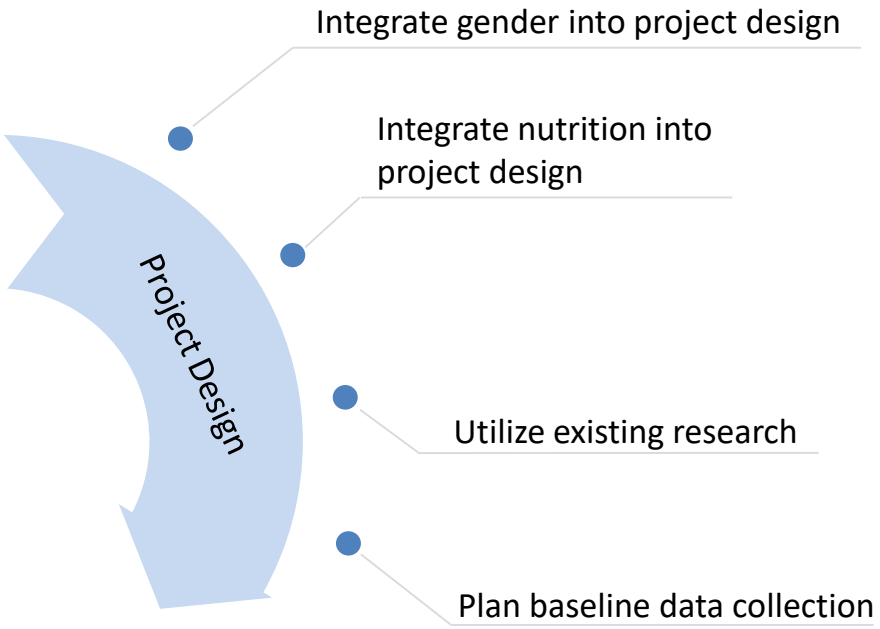
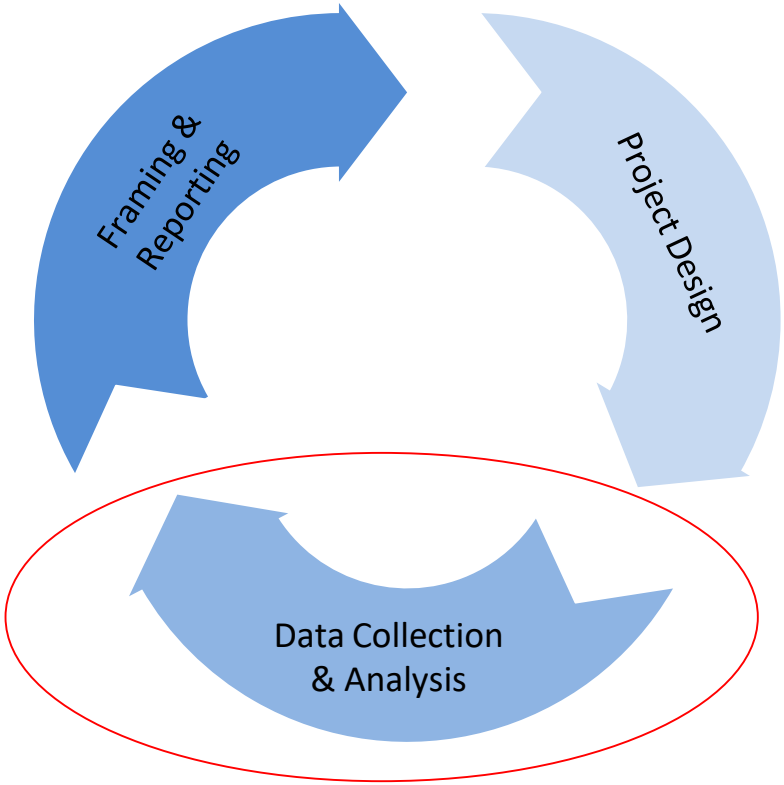
Project example – Dairy Project to Increase Milk Production and Improve Household Nutrition in Rural Africa



Examples from Webinar 1

Integrating Gender into Project Design	• Identify gender roles in milk production • Gender balance of research team
Integrating Nutrition into Project Design	• Identify who makes decisions about milk consumed at home • Understanding and identifying appropriate outcome variables
Utilizing Existing Research	• Look for existing gender analysis on dairy production in the research area • Look for existing nutrition information (i.e. stunting rate, typical diet, consumption vs. sale)
Baseline Data Collection	• Plan for baseline data collection in budget and work plan to fill in gaps identified in the existing research • Think about research team composition

DATA COLLECTION AND ANALYSIS


Framing & Reporting
Project Design
Data Collection & Analysis

What Do We Mean by Data Collection and Analysis?

This phase of the research cycle is the second point for integration of gender and nutrition into the project cycle

- Data **collection**: systematic process of collecting information to answer research question

- Data **analysis**: using data to test hypotheses or evaluate outcomes based on the research questions

For example:

- Quantitative data collection methods and analysis tools
- Qualitative data collection and analysis tools
- Ensure that a minimum of sex-disaggregated data is collected
- If appropriate, intersectionality is also incorporated with relevant data for the context (i.e. age, caste/ethnicity etc.)

Types of Data Collection and Analysis

- Quantitative:
  - Methods: surveys, lab tests, anthropometric measurements
  - Characteristics: defines and measures, assumes a fixed reality, uses statistics for analysis

- Qualitative:
  - Methods: interviews, ethnography, participant observation, focus group discussions
  - Characteristics: descriptive, characterizes social phenomenon, assumes fluid dynamics, data analyzed thematically

Types of Data Collection and Analysis

- Mixed Methods – quantitative and qualitative methods are used

Types of Data Collection and Analysis

- Mixed Methods – quantitative and qualitative methods are used

Example: Is milk consumed in the home?

- Quantitative answers: number of times per week, amount of milk consumed in liters, etc.
- Qualitative answers: who makes decisions, seasonality of milk consumption, etc.

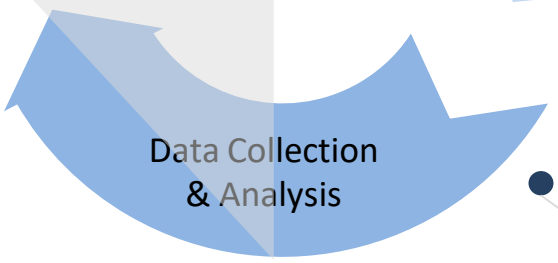
Sex-Disaggregated Data and Intersectionality

- Sex-disaggregated data: data collected and analyzed separately on males and females

- Key points to remember:
  - Not the same as comparisons of male- and female-headed households
  - Involves asking "who" questions, i.e. who in the household milks the cows?
  - Necessary not only for understanding women's roles, but also the gender dynamics as a whole
  - May require intra-household questionnaires (i.e. running the same survey twice with men and women)

- Intersectionality – considers how other categorizations, including gender race/ethnicity, religion, class, age etc., intersect and overlap to create further systemic disadvantage or advantage within society

Consider outcomes of interest for gender (i.e. decision-making, time use, women's income etc.) or nutrition (stunting, dietary diversity, ASF consumption etc.)



Consider which types of gender and nutrition data to collect and analyze

Identify, adopt and adapt tools as needed

SPOTLIGHT ON GENDER AND NUTRITION TOOLS

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Women's Empowerment in Agriculture Index (WEAI)

- Launched in 2012, developed by IFPRI, Oxford Poverty and Human Development Initiative and USAID, first tool of its kind to measure women's empowerment in the agriculture sector
- Two sub-indices: women's empowerment and gender parity
- Measures 5 domains of empowerment through survey questions:
  - Decisions about agricultural production
  - Access to and decision-making power over productive resources
  - Control over use of income
  - Leadership in the community
  - Time use

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Women's Empowerment in Agriculture Index (WEAI)

- WEAI pros: standardized, consistent data, comparable across countries
- WEAI cons: resource intensive, agriculture-specific
- To address concerns and new findings other versions of WEAI have been developed: Abbreviated WEAI, Project WEAI (Pro-WEAI), WEAI for Value Chains (under development), examples of adaptations for livestock (see resources)
- See resources page for links to more information about the WEAI

Nutrition Outcomes and Associated Tools

- Stunting, Wasting, Undernutrition
- Food Security
- Dietary Diversity
- ASF Consumption

- Anthropometric Measurements
- Household Food Insecurity Access Scale
- Dietary Diversity Questionnaire
- 24-hour Dietary Recall

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Leveraging the Dietary Diversity Questionnaire

- Household Dietary Diversity – score of 0-12
- Women's Dietary Diversity – score of 0-12
- Household ASF consumption – 0-4
- Women's ASF consumption – 0-4

Other important groups?
Infant and young children (6-23 months)

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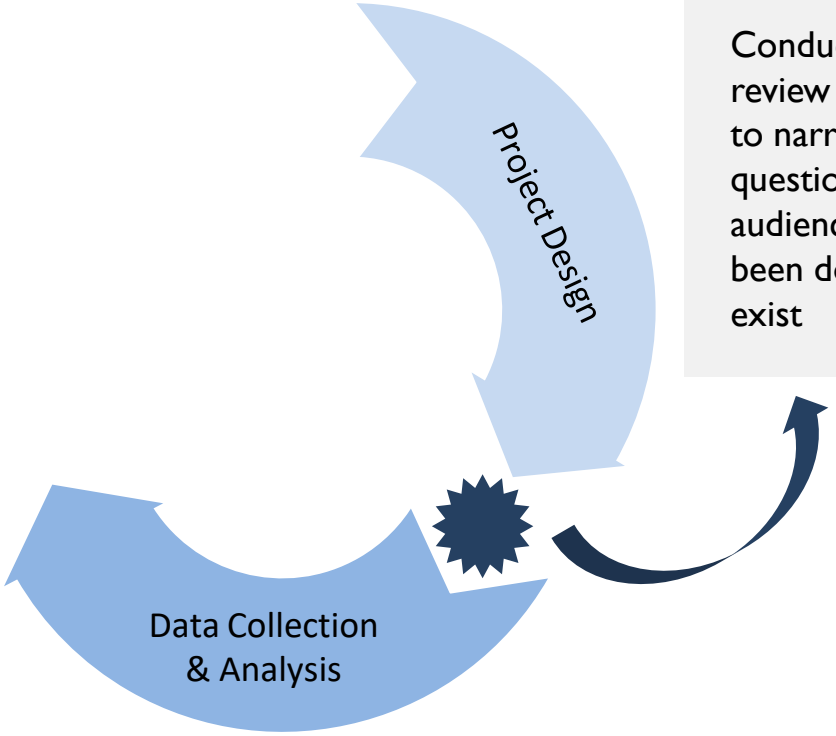
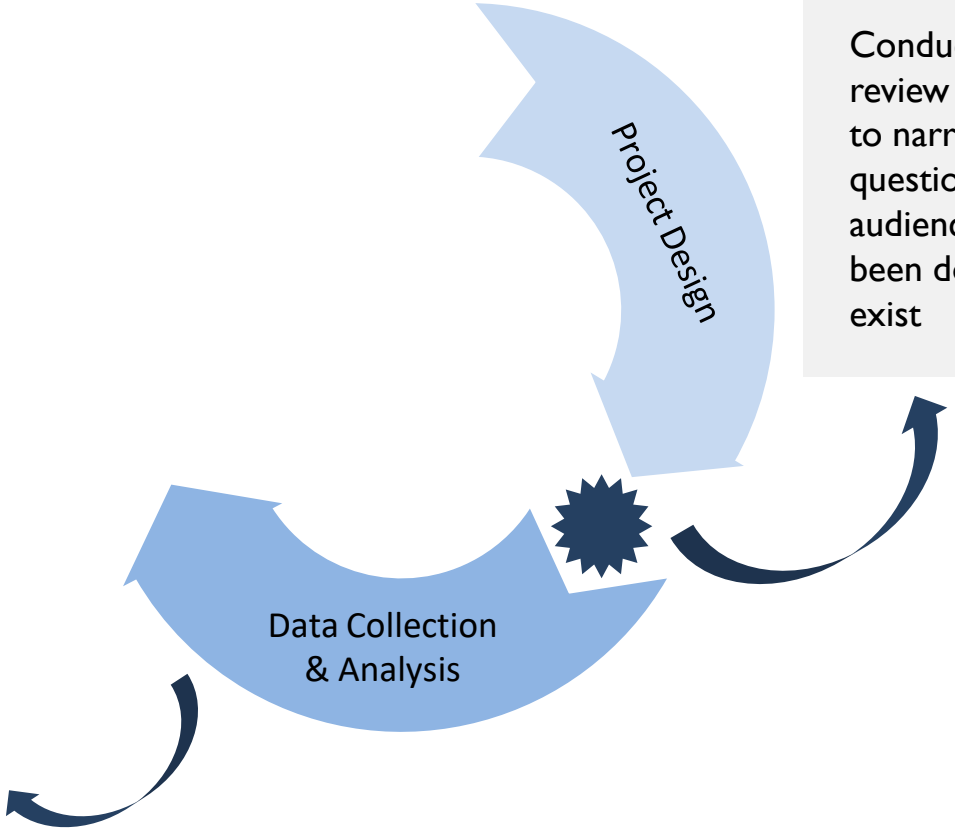


Somewhere between project design and data collection:

Conduct another mini lit review or formative research to narrow down research question, target appropriate audiences, and see what has been done and what tools exist

Keep in mind this may be an

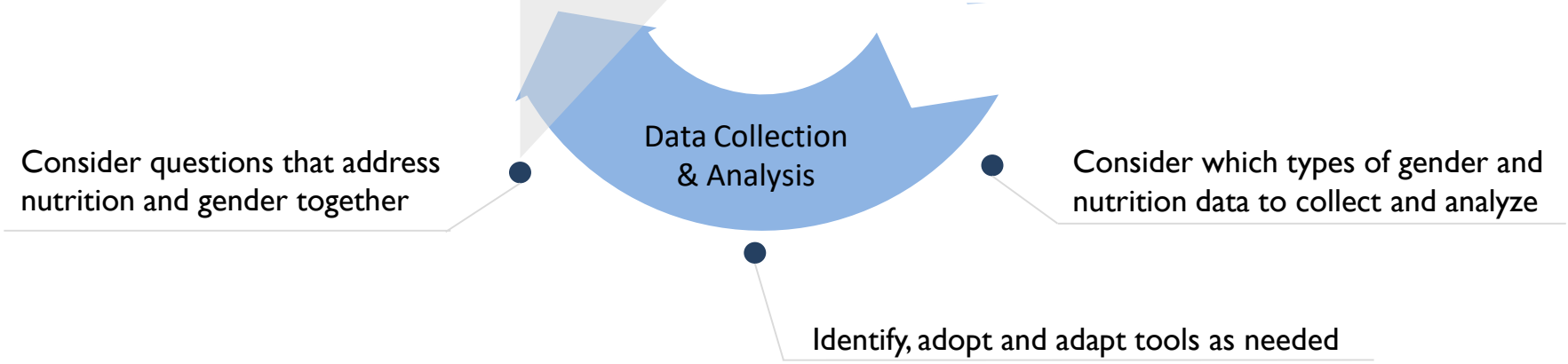
and there may be opportunities to integrate gender and nutrition even if data collection and analysis have already started



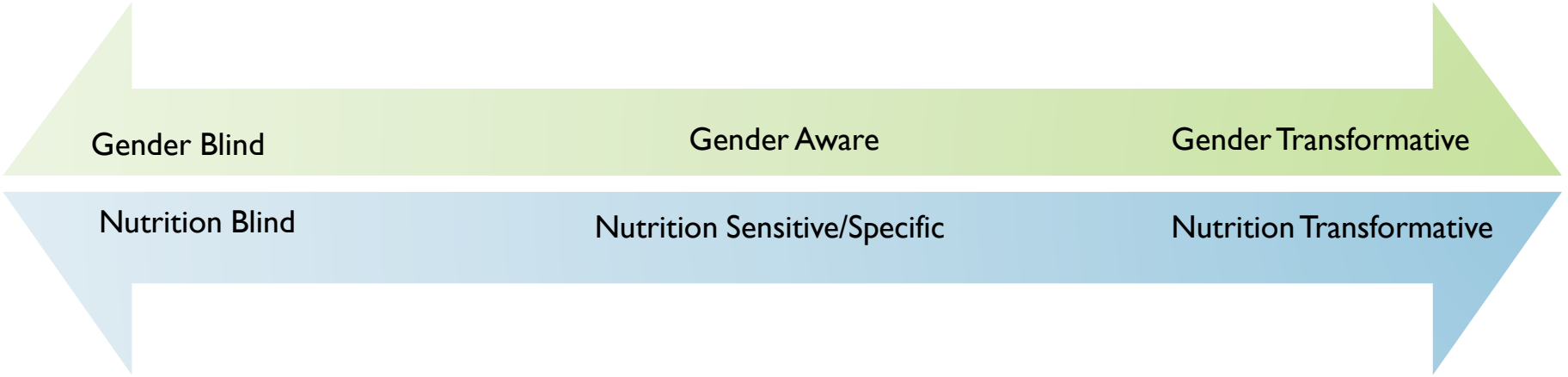
Somewhere between project design and data collection:

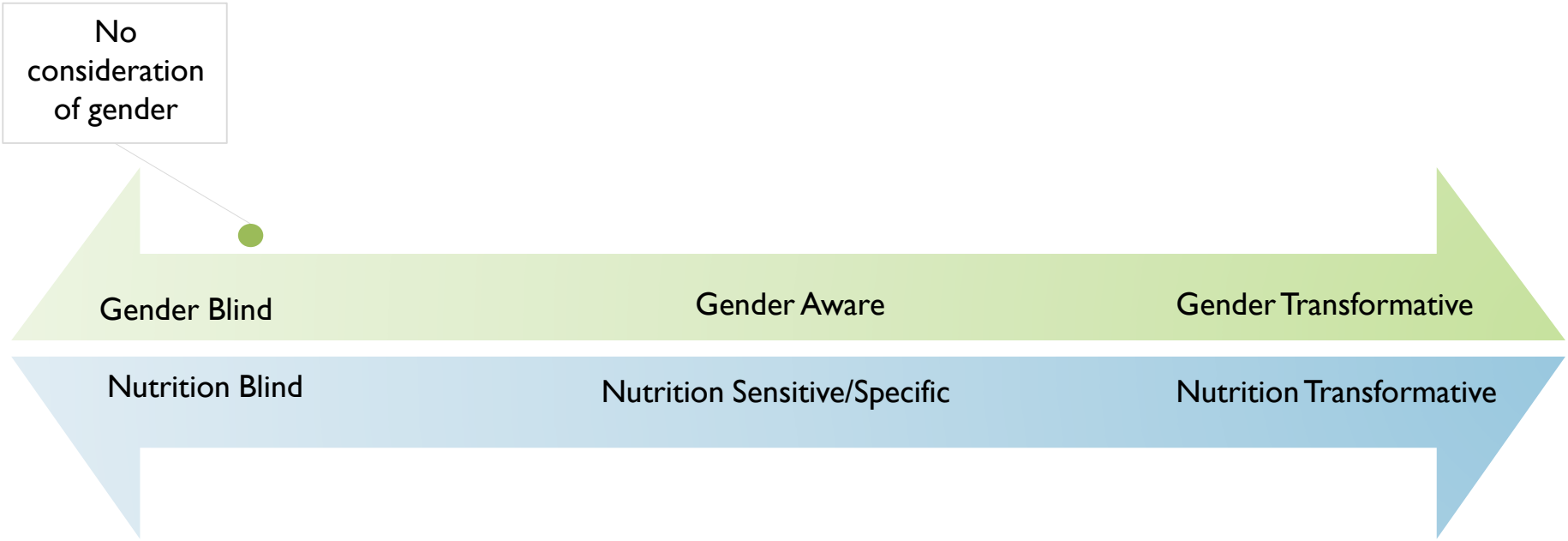
Conduct another mini lit review or formative research to narrow down research question, target appropriate audiences, and see what has been done and what tools exist

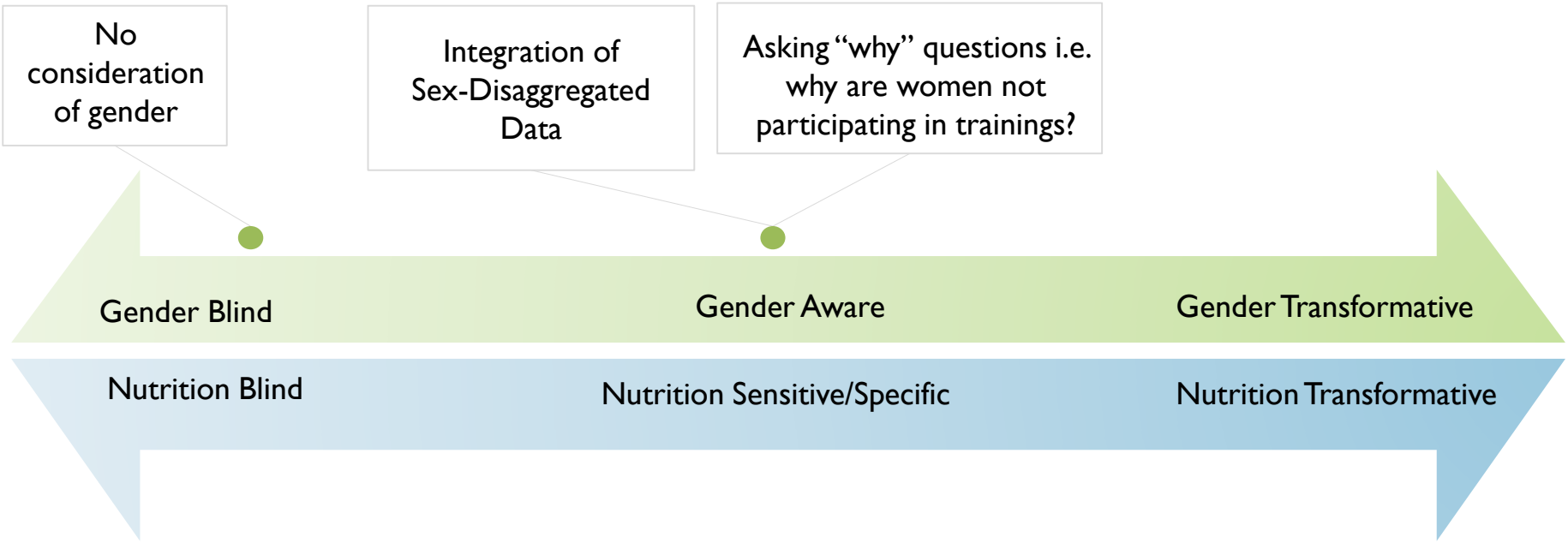
- One way to think about this is with the gender and nutrition integration continuum



Gender and Nutrition Integration Continuum




No consideration of gender
Gender Blind
Gender Aware
Gender Transformative
Nutrition Blind
Nutrition Sensitive/Specific
Nutrition Transformative


No consideration of gender
Integration of Sex-Disaggregated Data
Asking "why" questions i.e. why are women not participating in trainings?
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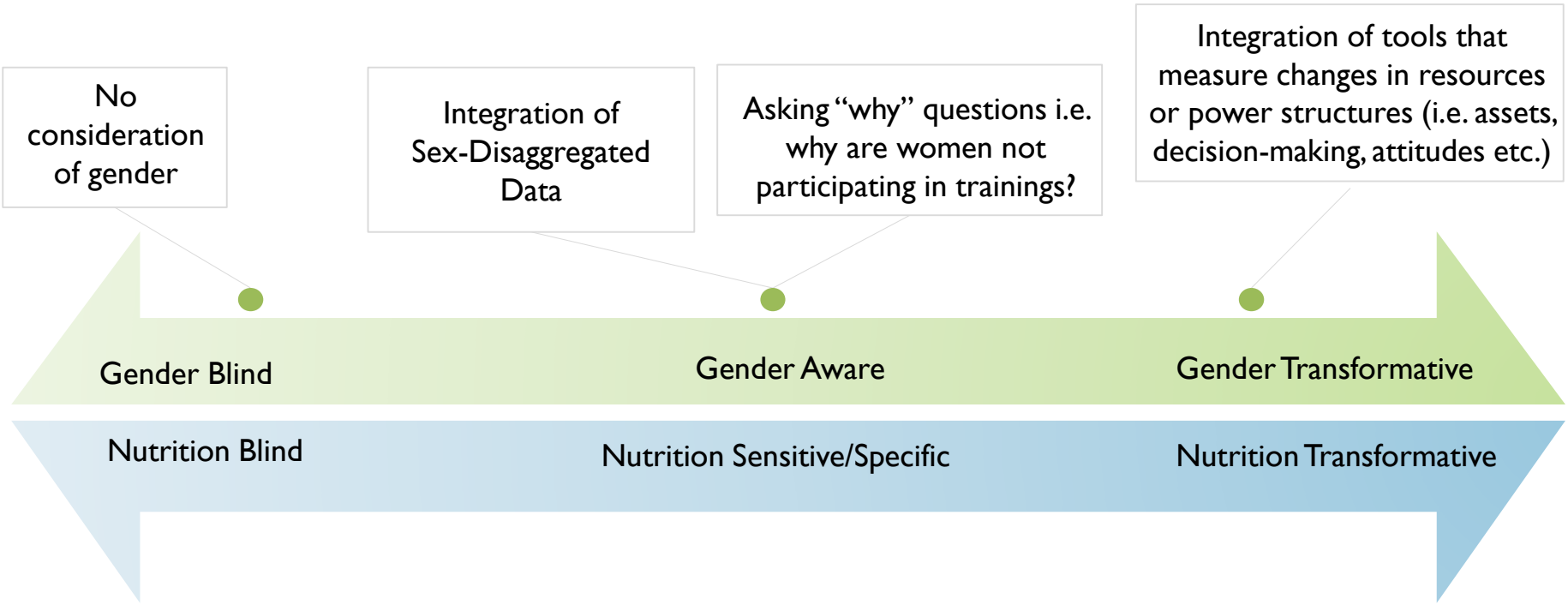
No consideration of gender
Integration of Sex-Disaggregated Data
Asking "why" questions i.e. why are women not participating in trainings?
Integration of tools that measure changes in resources or power structures (i.e. assets, decision-making, attitudes etc.)
Gender Blind
Gender Aware
Gender Transformative
Nutrition Blind
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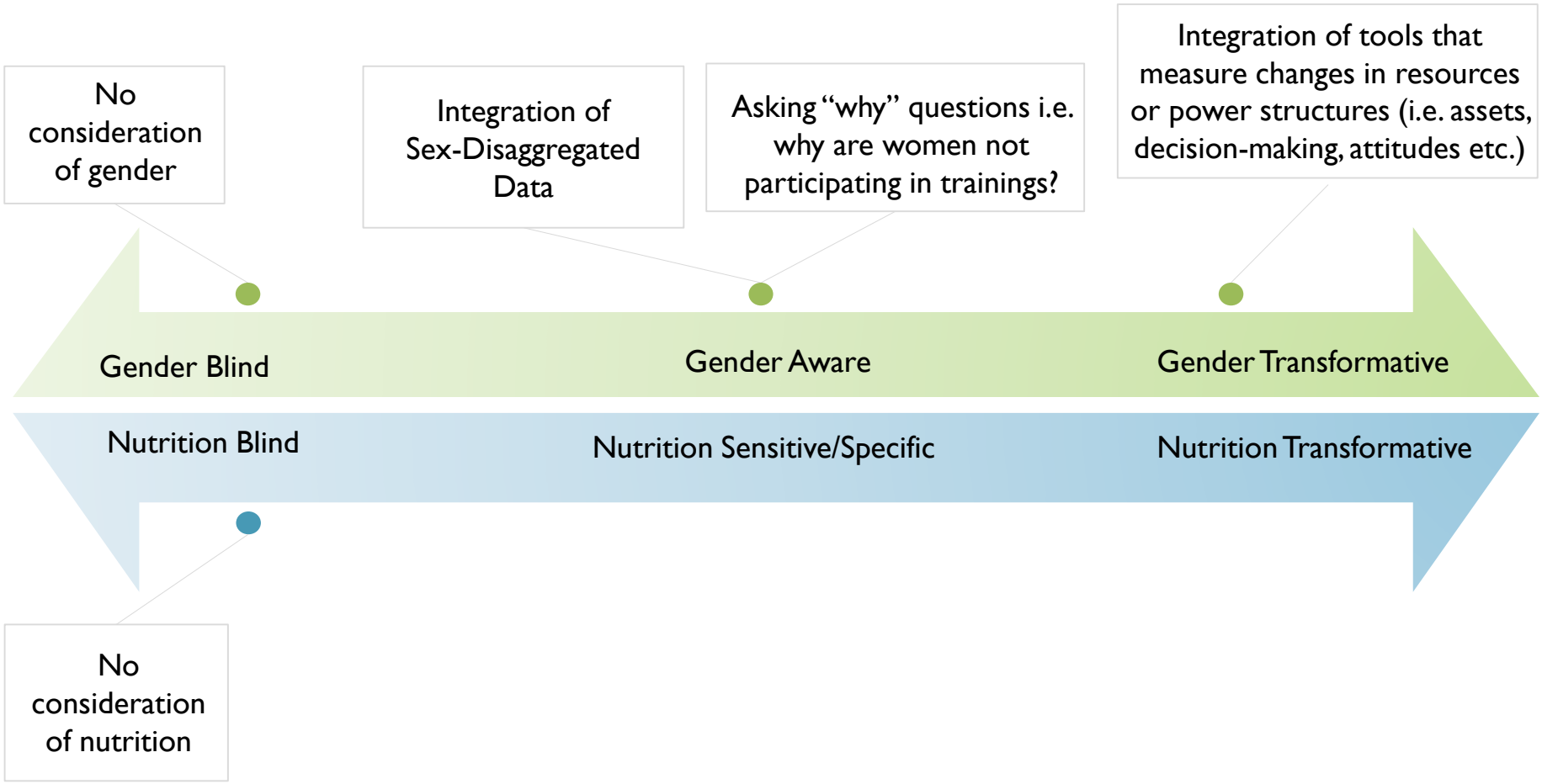
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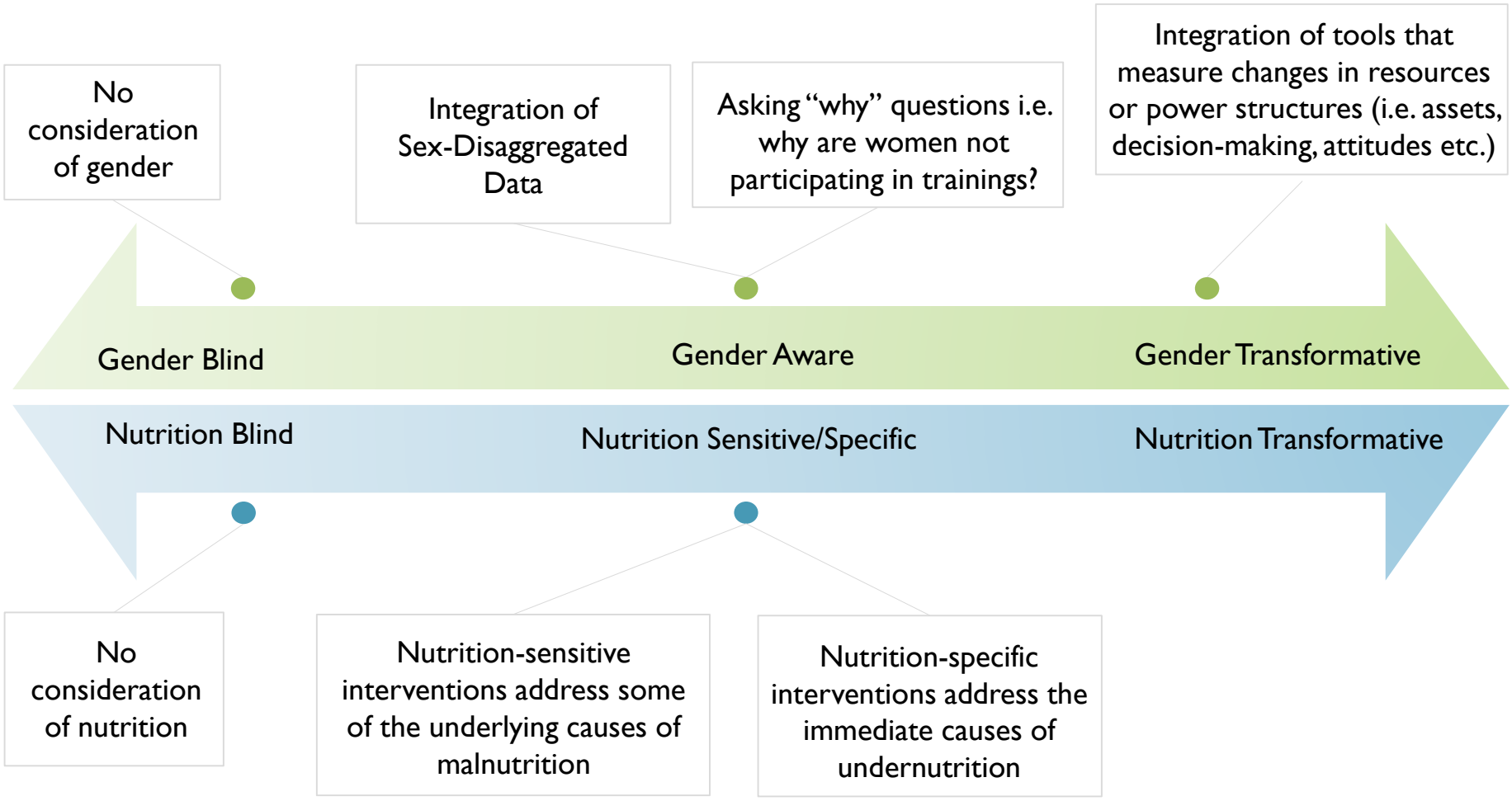

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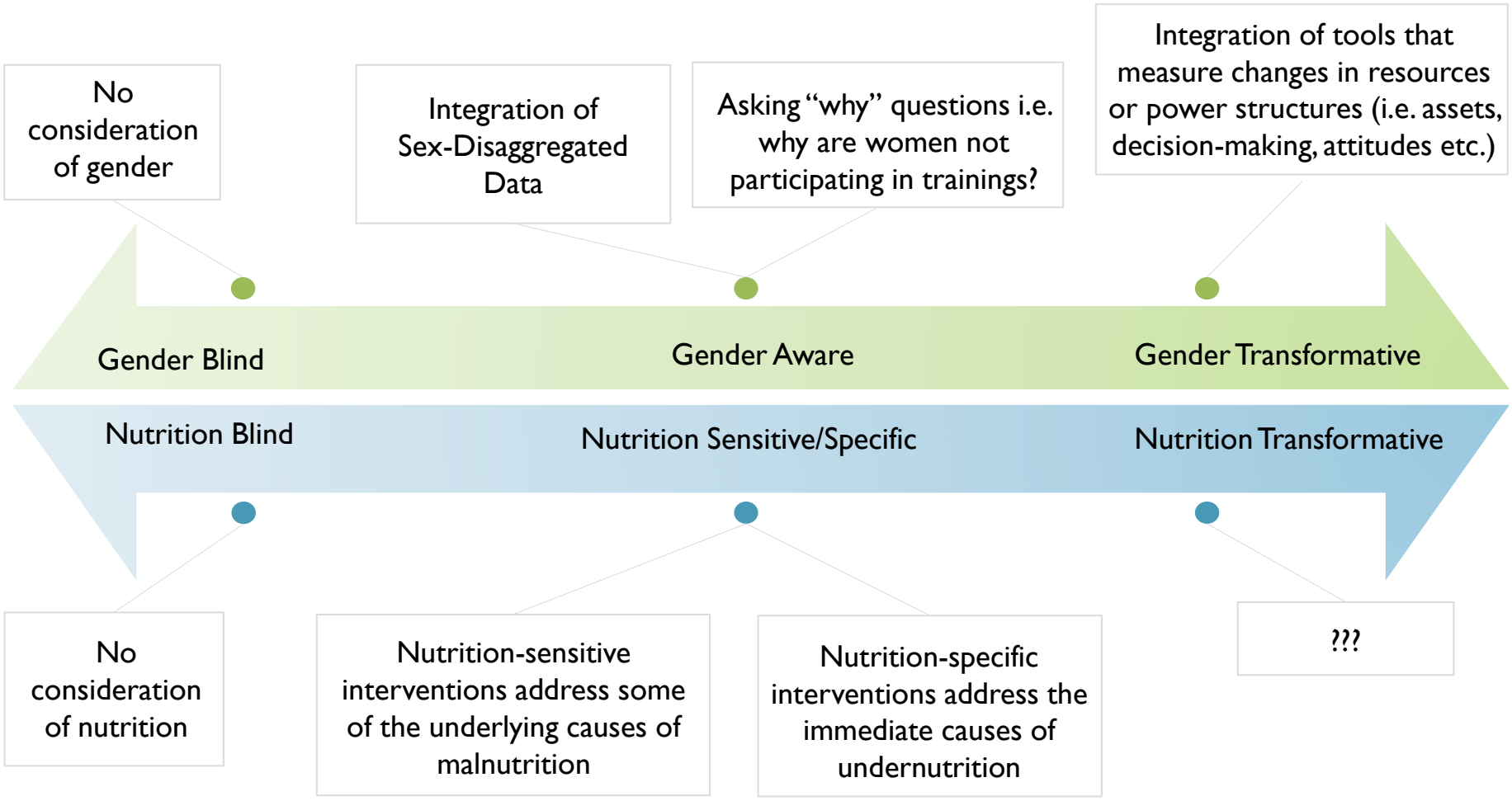

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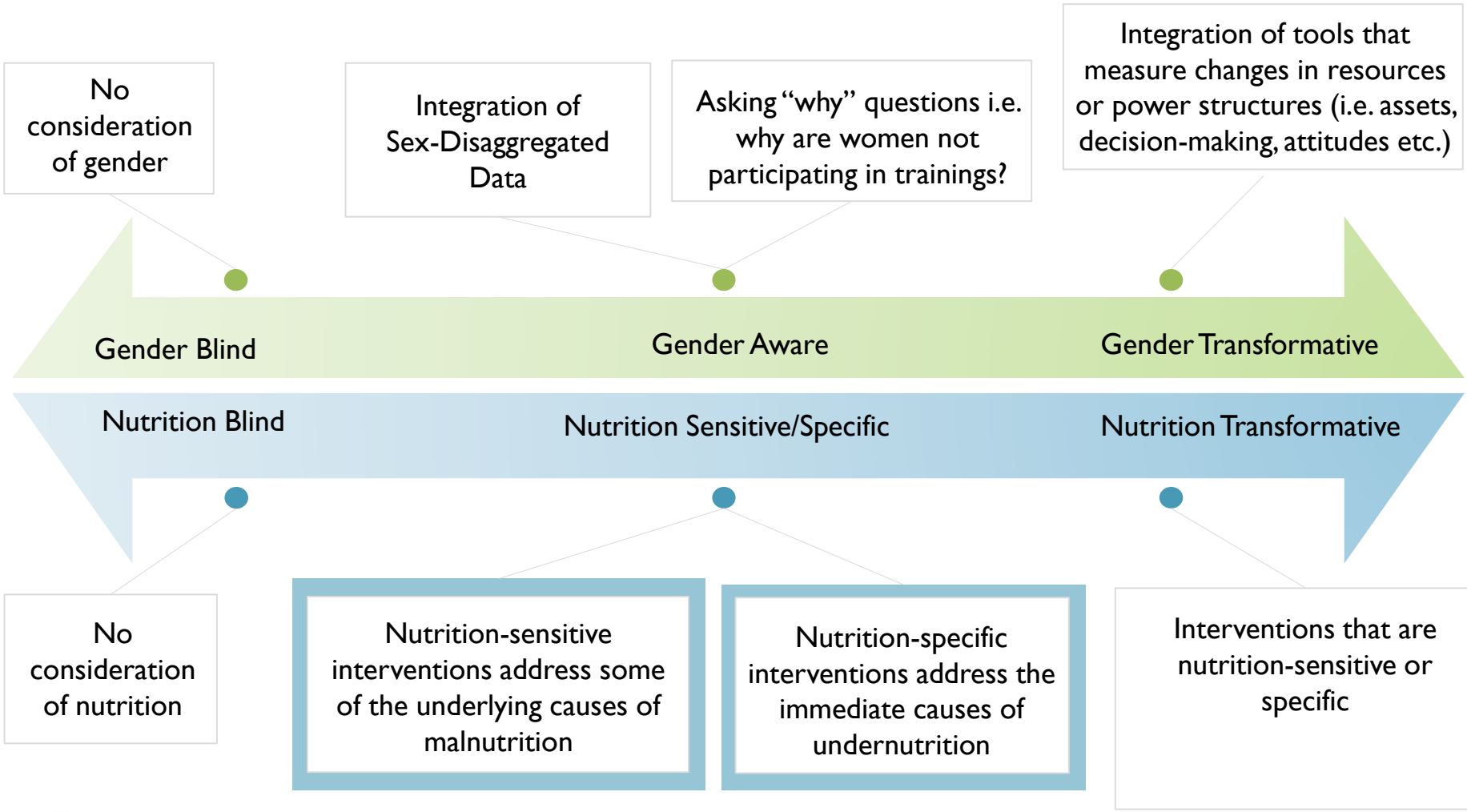

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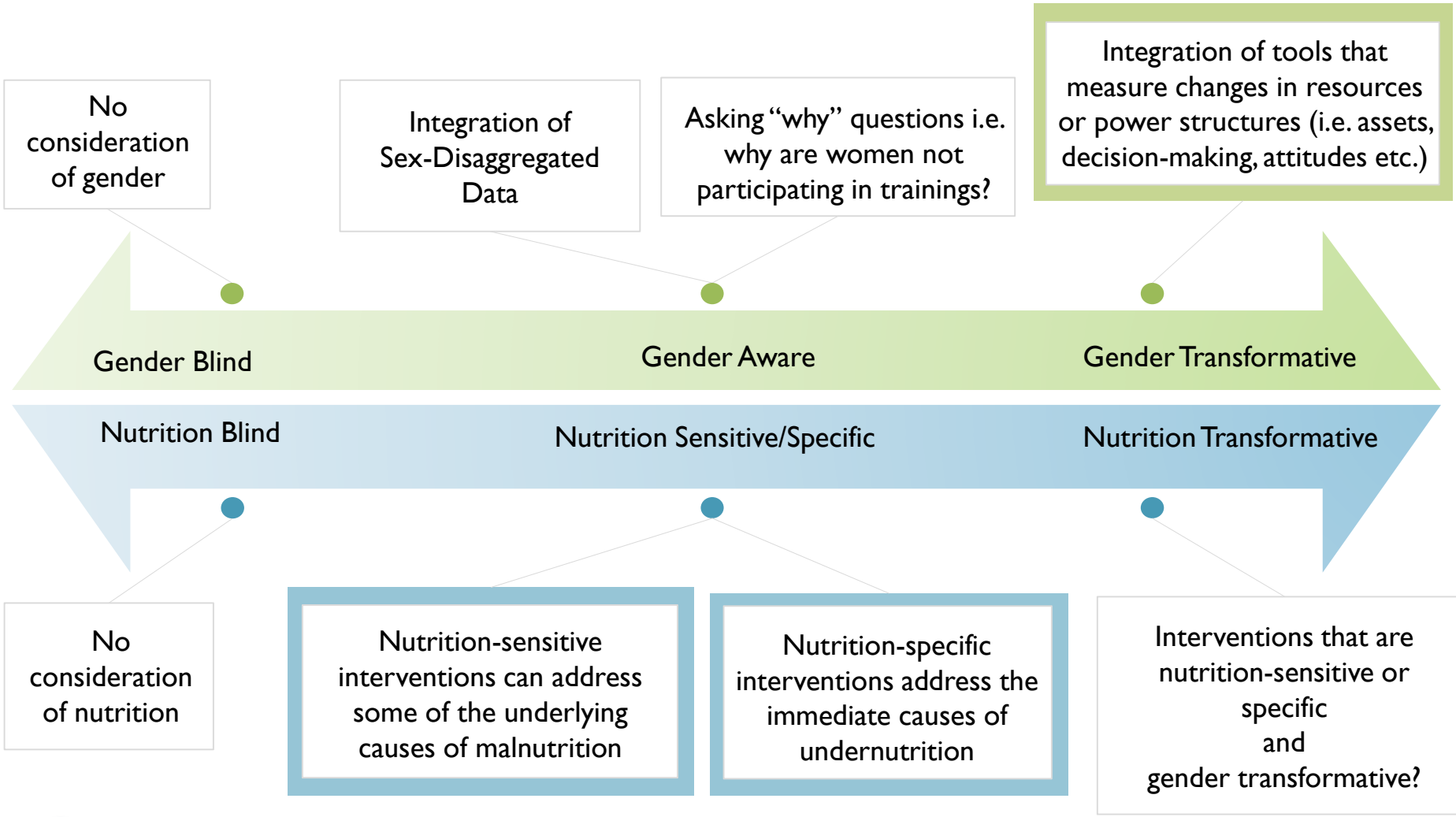

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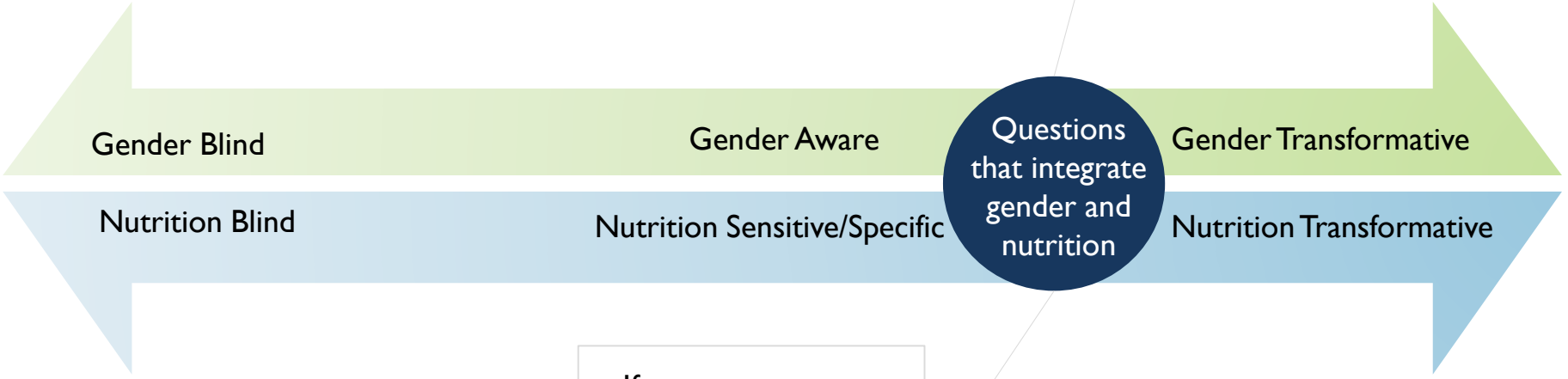
Does increased dairy production translate into increased consumption of ASF, increased income or dietary diversity?



If women earn more income from dairy production increases, do they determine what happens with the income?

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INTEGRATING GENDER AND NUTRITION

Project Example:
Dairy Project to Increase Milk Production and Improve Household Nutrition in Rural Africa

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Summary

Consider which types of gender and nutrition data to collect and analyze	• Consider quantitative, qualitative or mixed method approaches • Collect sex-disaggregated data and if appropriate consider how gender interacts with other social variables such as age, ethnicity/caste, religion etc.
Identify, adopt and adapt tools as needed	• Consider tools such as the Women's Empowerment in Agriculture Index (WEAI) for gender or using 24 hour recall to measure dietary diversity and ASF consumption for nutrition
Consider questions that address nutrition and gender together	• If women earn more income from dairy production increases, do they determine what happens with the income? • Does increased dairy production translate into increased consumption of ASF, increased income or dietary diversity?

QUESTIONS?

Coming Up

Webinar 3 in this series!

Topics and Registration:

- June 27 (8:30 EDT): Integration of gender and nutrition into final reporting of livestock research projects
- https://ufl.zoom.us/webinar/register/WN_DiaK9ALvQt6n3RqjVyJ1wg
- For more information visit http://livestocklab.ifas.ufl.edu/events/

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Resources

- Cultural Practice Gender Resources: http://www.culturalpractice.com/resources/by-expertise/gender-360/
- WEAI Resource Center: http://weai.ifpri.info/
- Three things you need to know about sex-disaggregated data (A4NH): http://a4nh.cgiar.org/2014/05/05/three-things-you-need-to-know-about-sex-disaggregated-data/
- Data Needs for Gender Analysis in Agriculture (Doss, 2013): http://cdm15738.contentdm.oclc.org/utils/getfile/collection/p15738coll2/id/127482/filename/127693.pdf
- Gender, Agriculture and Assets Project (GAAP): http://gaap.ifpri.info/
- Qualitative research on women's economic empowerment and social protection, a research guide (FAO 2015): http://www.fao.org/3/a-i4420e.pdf
- Women's Empowerment in Livestock Index (WELI): https://cgspace.cgiar.org/bitstream/handle/10568/89300/1.3%20Galie_WELI.pdf?sequence=1&isAllowed=y

Resources Continued

- Household Food Insecurity Access Scale (HFIAS) for Measurement of Household Food Access; Indicator Guide: http://www.fao.org/fileadmin/user_upload/eufao-fsi4dm/doc-training/hfias.pdf
- Guidelines for measuring household and individual dietary diversity: http://www.fao.org/3/a-i1983e.pdf

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