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INTEGRATED RISK IDENTIFICATION, ANALYSIS, AND ASSESSMENT METHODOLOGY IMPROVEMENT: THEORY & PRACTICE

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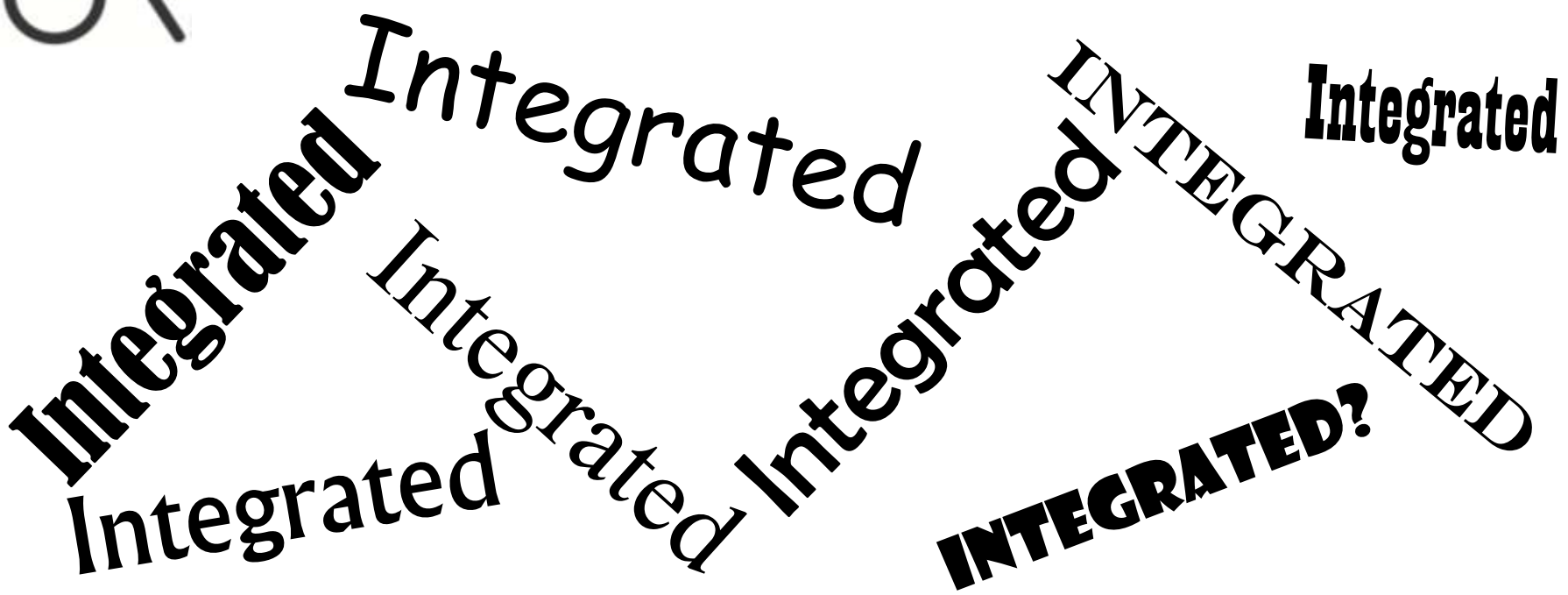
Rural Livelihood Risk Management Consulting

Confused?

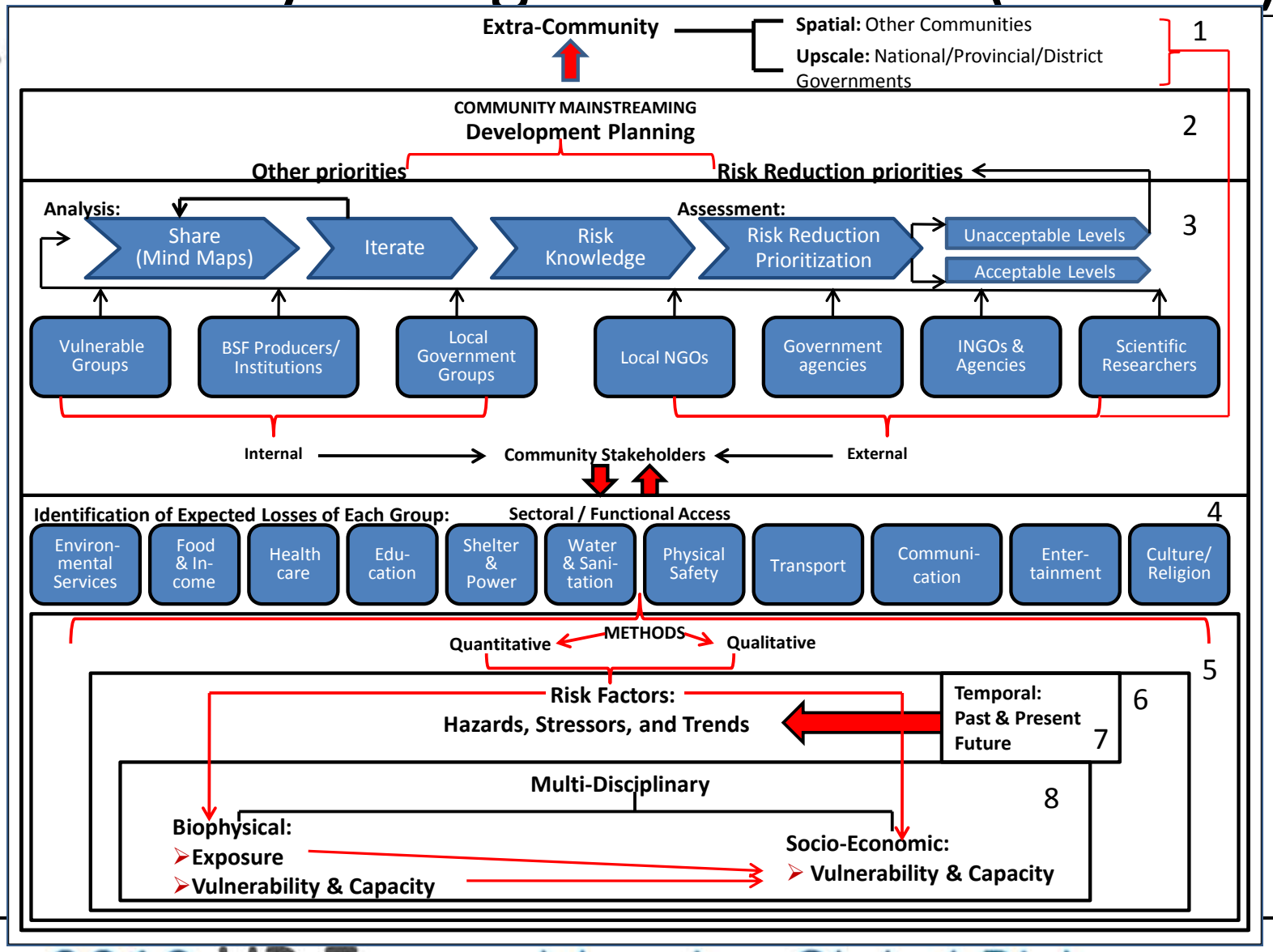


THEORY: Integrating what?

Practice: Optimizing how?

- assessment objectives
- integration objectives
- resource
- time
- replicate?

Theory: Integrated Model (AJEDM)

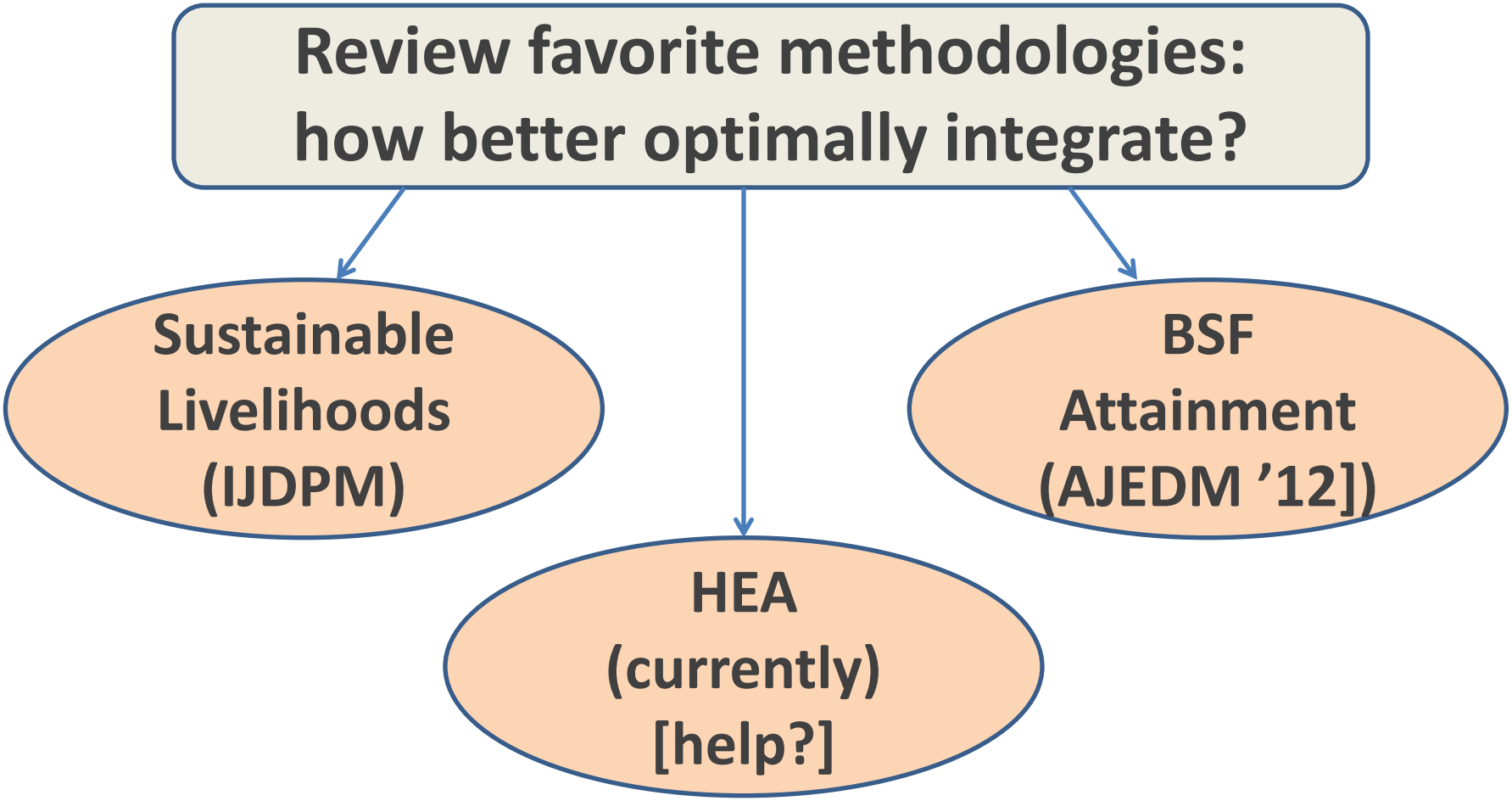


Say what?

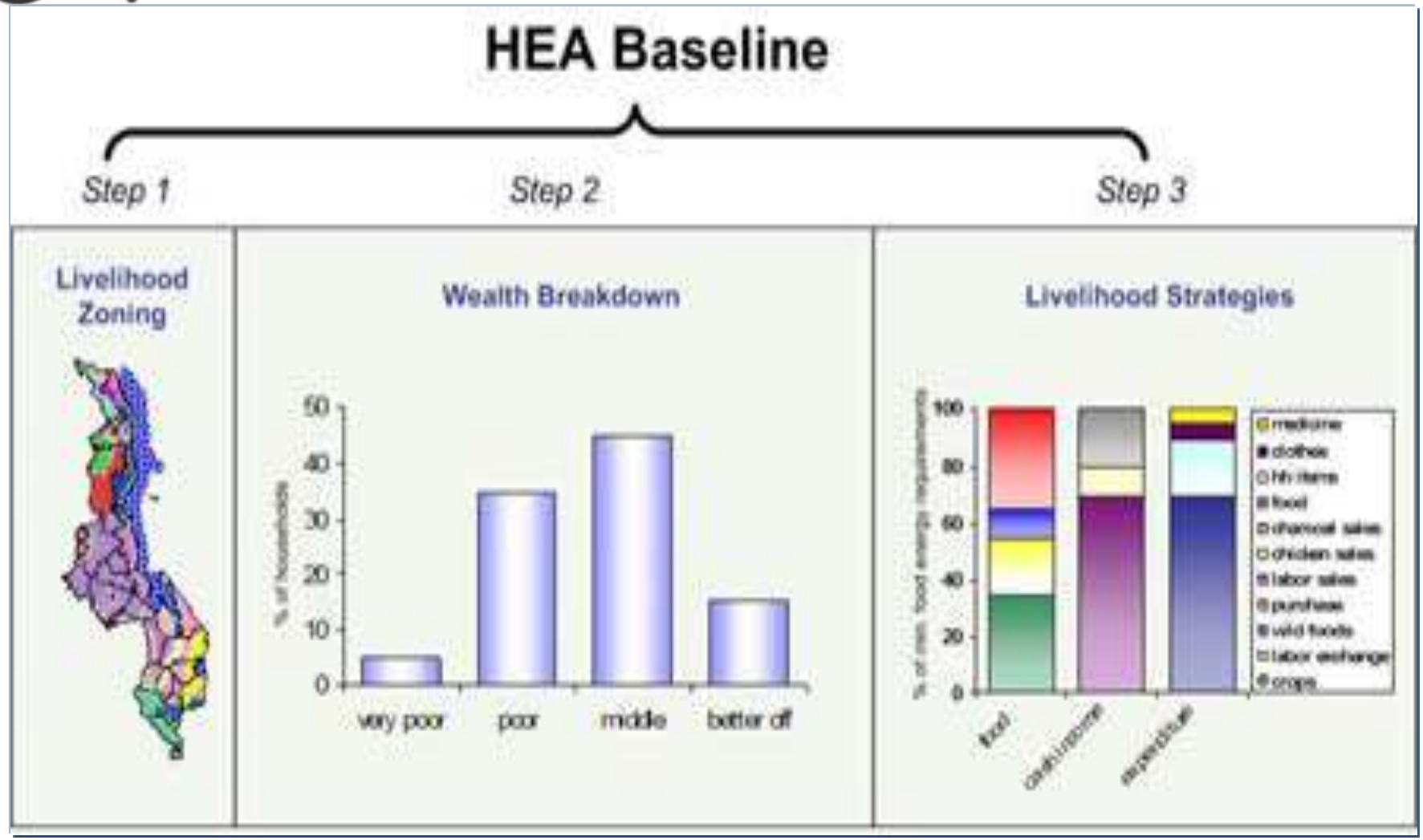
Objectives of Integration:

- Disciplinary & Methodological
- Stakeholders (Inside & Outside)
- Spatial (Horizontal & Vertical)
- Sectoral & Functional
- Development (Mainstreaming)
- Risk Factors (Hazards, Stressors, & Trends)
- Temporal (Dynamic & Predictive)

Practice: How?



HEA: the 6 Steps



HEA: the 6 Steps

HEA Outcome Analysis

Step 4 | Step 5 | Step 6

Problem Specification

Crop loss of 75%

Local labor rates down 50%

Food prices doubled

Chicken prices down 50%

Migratory labor increased 50%

+

Analysis of Coping Capacity

Draw down on surplus/ stocks

Expand production (wild foods/fish)

Expand income

Switch expenditure

+

=

Projected Outcome

HEA: Disciplinary & Methodological

Quantitative ⟵ **METHODS** ⟶ **Qualitative**

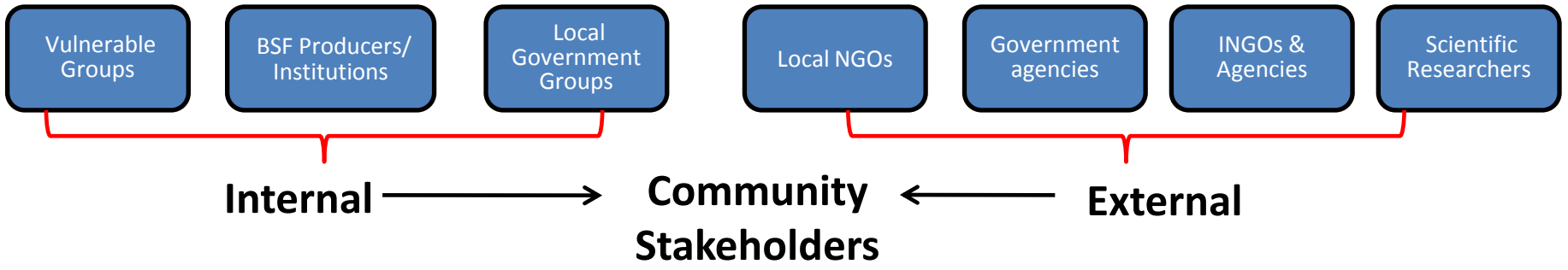
collaborate

Multi-Disciplinary

Biophysical:
- **Exposure**
- **Vulnerability & Capacity**

Socio-Economic:
- **Vulnerability & Capacity**

HEA: Stakeholders (Inside & Outside)



GOOD:

- **Vulnerable groups**
- **Key informants**

BETTER:

Inside/Outside Collaboration

HEA: Spatial (Horizontal & Vertical)

Extra-Community

Spatial: Other Communities

Upscale: National/Provincial/District Governments

ACCEPTABLY GOOD?:

- **By villages / zones**
- **Aggregated**

HEA: Sectoral & Functional

Identification of Expected Access for Each Group:

Environ-mental Services	Food & Income	Health care	Education	Shelter & Power	Water & Sani-tation
Physical Safety	Transport	Communi-cation	Enter-tainment	Culture/ Religion	

GOOD:

Markets (food & income)

BETTER:

Effects of changes in all functions?

HEA: Development Mainstreaming

Development Planning

Other priorities

Risk Reduction priorities

GOOD:

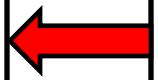
Identification of food deficits

BETTER:

Include development plans

HEA:Risk Factors & Dynamic

Risk Factors:
Hazards, Stressors, and Trends



Temporal: Past & Present
Future

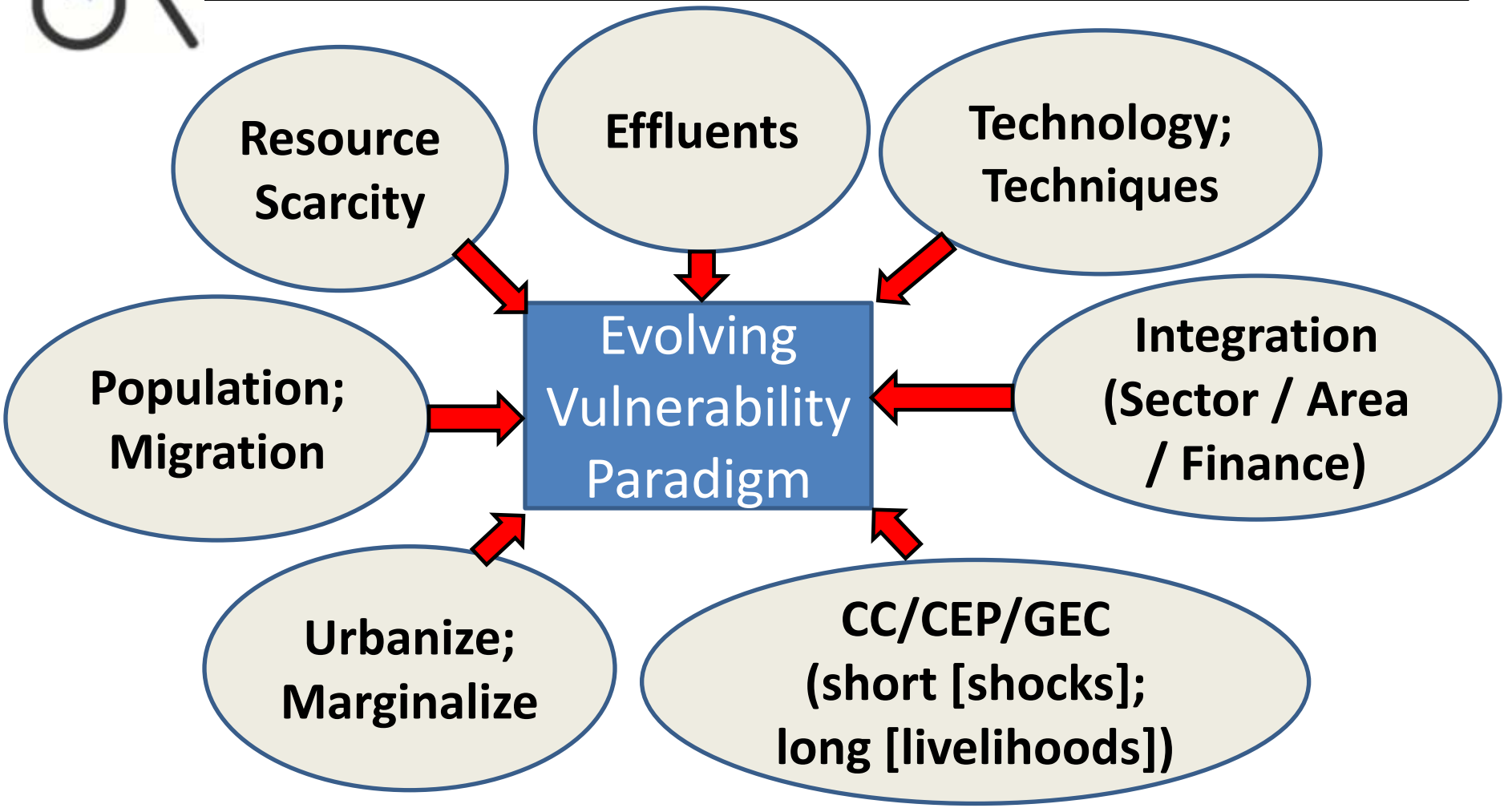
GOOD:
Identification of risk scenario

BETTER:
- All relevant factors (hazards; stressors & trends [development, demographic, projects])
- Dynamic scenario (PREDICTIVE!)

Static DRR: Paradigm Shock

Will the new 'well-being' paradigm be more uncertain?
What are the future risk drivers?

Dynamic Problems: Vulnerability Δ?



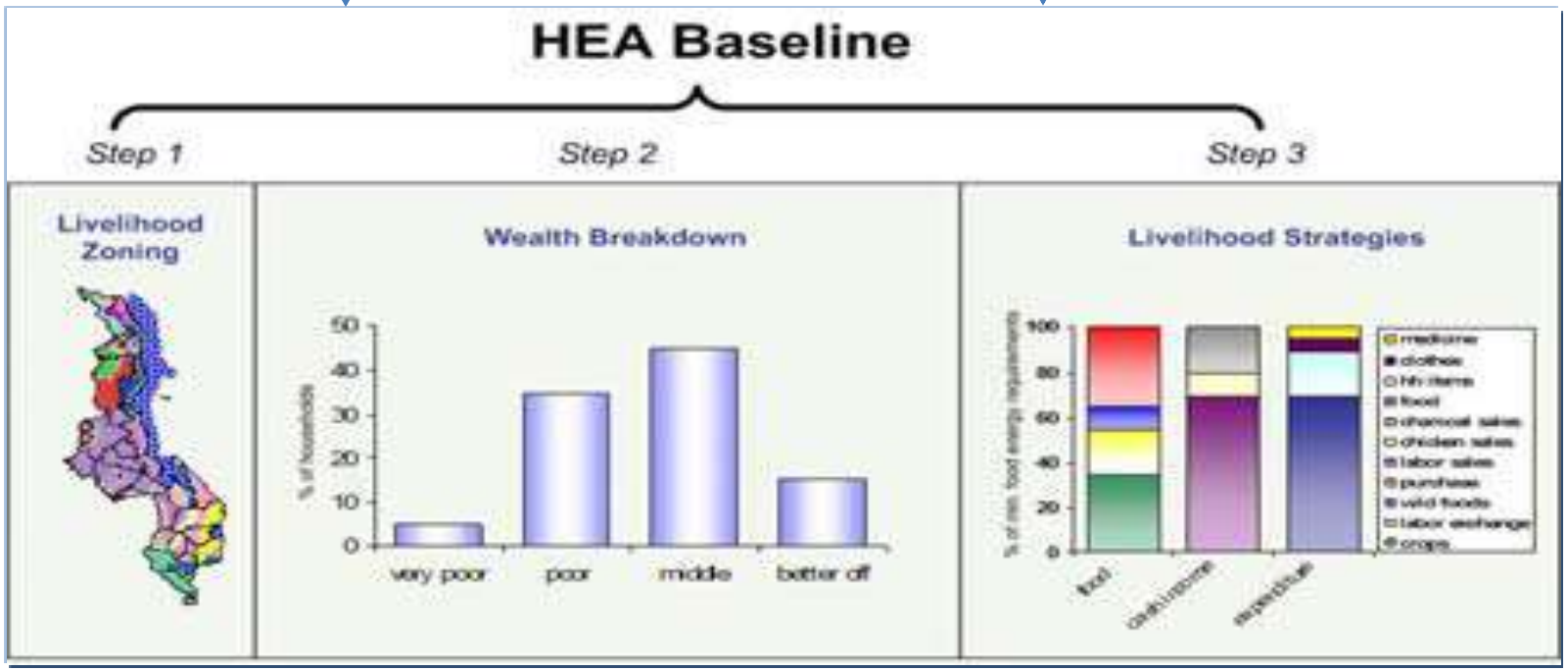
How can HEA incorporate these to be predictive?

HEA: the Future Baseline

Discipline & Stakeholder Collaboration

Past & Present Data

Future Development Scenario (Population, Migration, Investments, Projects)



HEA: the Future Outcome

Discipline & Stakeholder Collaboration

Past & Present Data

Future Development Scenario

Future Risk Scenario (hazards/CC, vulnerability, coping)

HEA Outcome Analysis

Step 4

Problem Specification

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Step 5

Analysis of Coping Capacity

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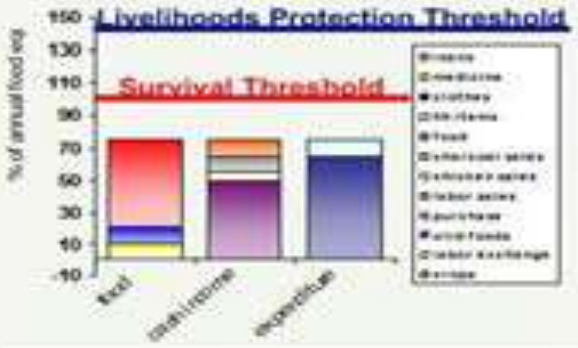
Step 6

Projected Outcome



The Big Question

HOW?

(Theoretically beneficial & Practically feasible locally)

[insights?]

Can We Talk?

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ruralllivelihoodriskmanagement.posterous.com/pages/disaster-climate-change-and-sustainable-devel

[new: www.sustainagility.us]

Sustainagility *(barefoot bob, 2008)*

We must seek – new options

We must treat – what's assessed as weak

We must teach – each other

- & change before the change becomes too deep

- change our risk & vulnerability

- change to have 'sustainagility'!