









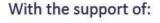


Amazon Fish for Food: Improving food security and livelihoods in Bolivia

Tiffanie Rainville Halifax, Canada May 28th 2018

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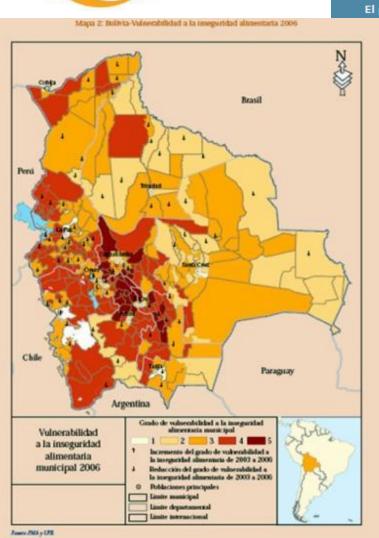








The context where we began

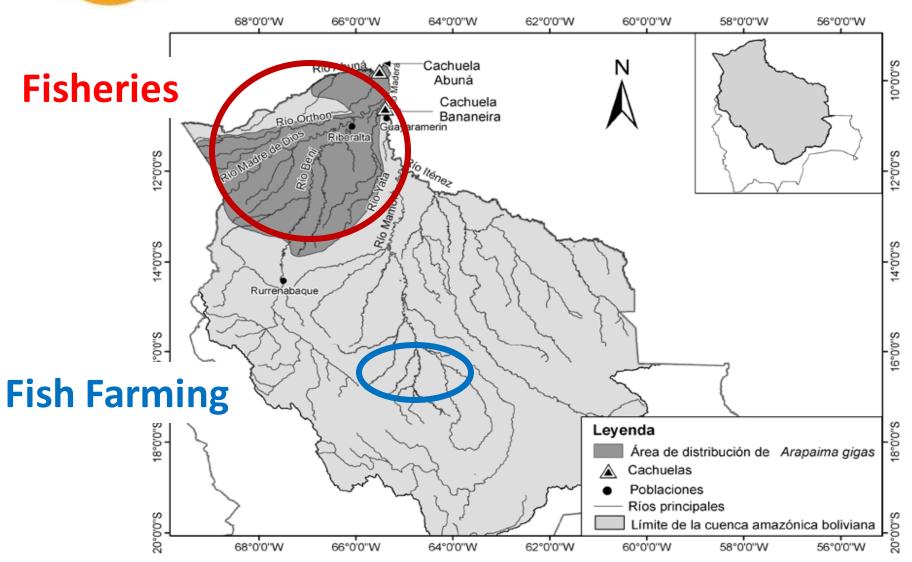




- High food insecurity
- Low fish consumption (2.7-3.5 kg/person/year)
- Under valued fisheries and fish farming sectors



Where within Bolivia?





- Native species
- Communities eat more than 30 species of fish



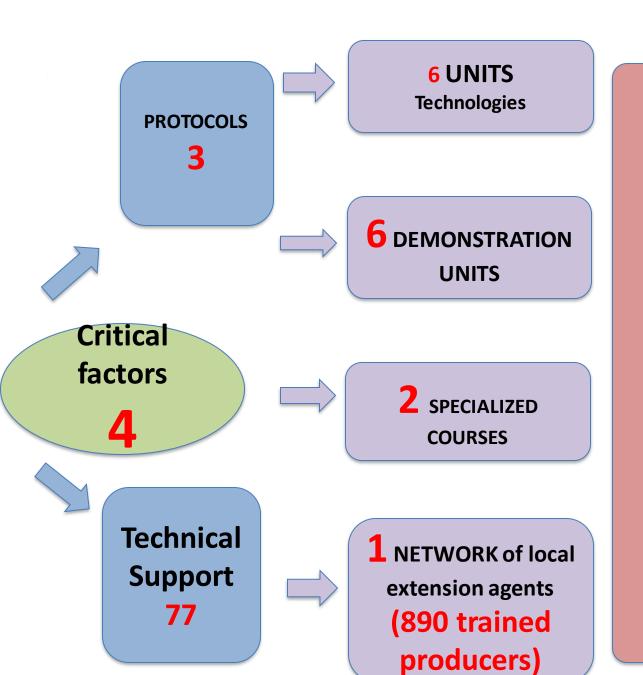
Scaling up Solutions in the Peces para la Vida II model



- Improved agricultural productivity
- Fostering market access and increasing income
- Improve nutrition
- Gender empowerment and equality
- Improved policies and governance

- Improved production
- Market access and increased income
- Improved nutrition
- Gender empowerment and equality
- Improved policies

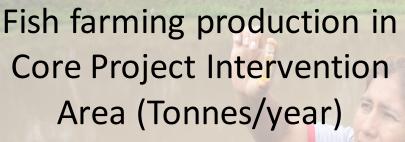




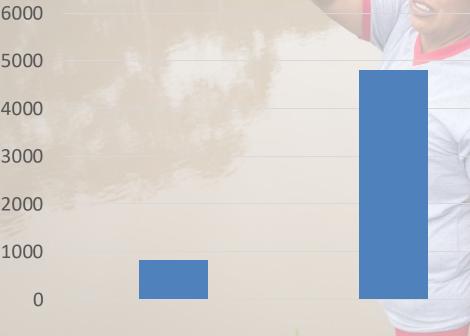
Knowledge and use of Best Practices



Improved production



- Increased production by a factor of 6
- Increase
 number of
 ponds/family
 (3.4-4.6)



Year 2015 Year 2018

Improved production

"The capacity-building process has taught us not only how to manage aquaculture production, but also how to develop as facilitators and interact with producers who seek us out to solve a problem or optimize their production." (Student)

 75% satisfied or very satisfied with production

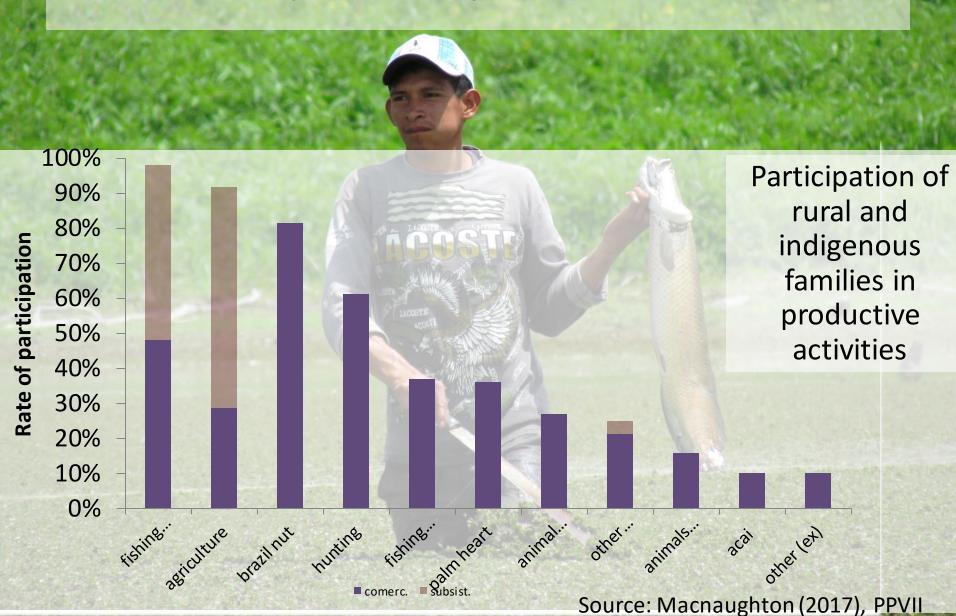
• 84% satisfied or very satisfied with aquaculture as part of livelihood strategy

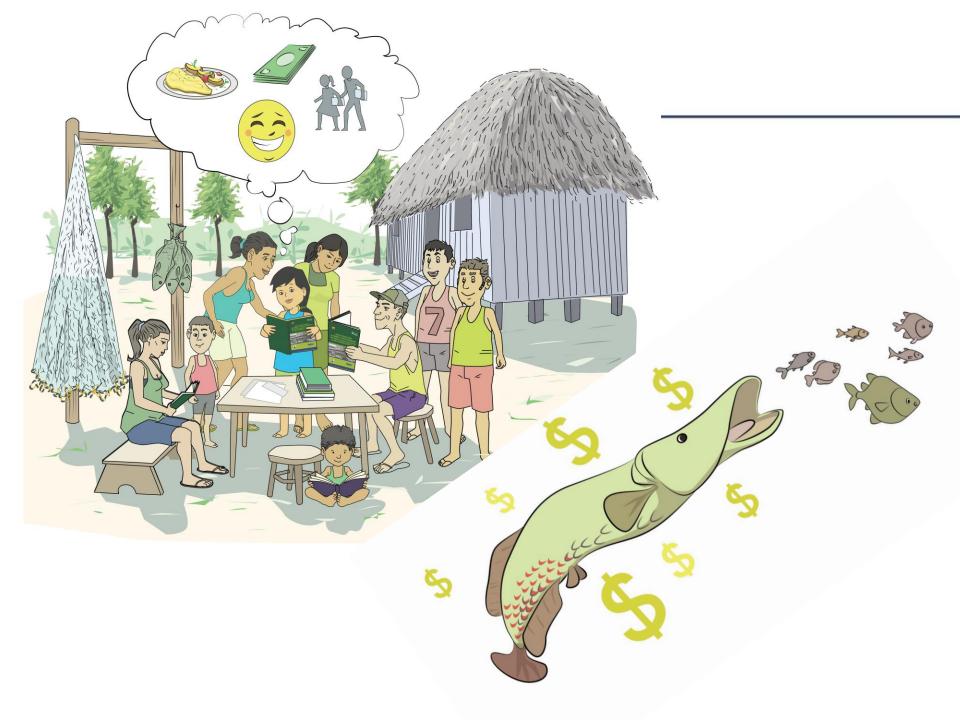




Number of fish farming	2015	2018
families	1 / Comment	
Core Municipalities (5)	532	1,030
Total municipalities (8)	937	1,757

Improved production





- Improved agricultural productivity
- Market access and increased income
- Improved nutrition
- Gender empowerment and equality
- Improved policies

Market access and increased



Manual de Buenas Prácticas de Higiene y Manipulación del Pescado



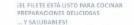


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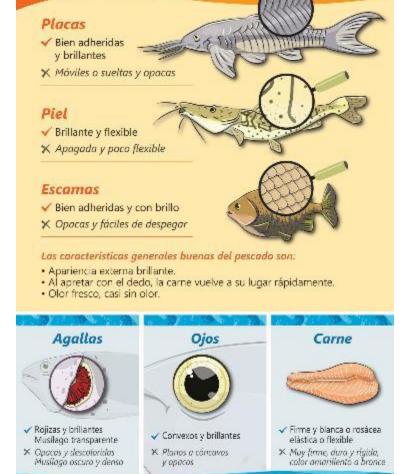
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Market access and increased

income





AND AND SERVICE SERVICE STREET

¿Cómo reconocer pescado fresco?

Market access and increased income

Diversified value chains for fish leather and best practices for quality Indigenous fishers

- 379 increased their income by 47.5% through meat
- 32 increased income by 23% through skin selling

Commercial fishers

- 393 increased income by 35.5% through meat
- 5 increased income by 23% through skin

Vendors

56 increased income by 28% selling meat



Market access and increased

income







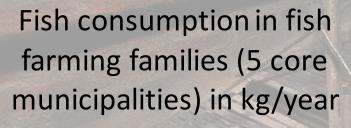
Market access and increased income

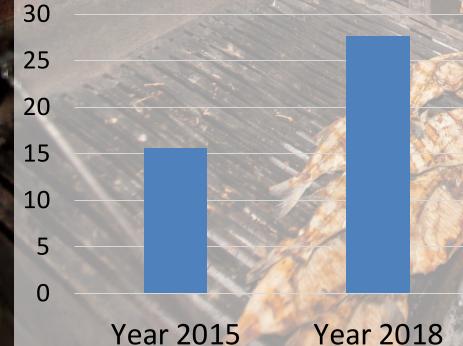


- Microloans and small loans
- Leasing, unconvention guarantee,

- Improved agricultural productivity
- Market access and increased income
- Improved nutrition
- Gender empowerment and equality
- Improved policies

Improved nutrition





20% increase in per capita consumption in 5 core municipalties

Improved nutrition

Increased fish meat demand

17-32% in major cities in Bolivia

Increased consumption nationally (2015-2017)

- 21% in paiche consumption
- 38% in pacú/tambaqui
- 9,000 new people /year consuming pacu and tambaqui



- Improved agricultural productivity
- Market access and increased income
- Improved nutrition
- Gender equality and empowerment
- Improved policies



Women as important leaders and participants

- 11 Demonstration fish farms and field schools performing peer-to-peer knowledge exchange with 972 producers (44% women).
- 45% of trained Technical staff were women

Gender equality and empowerment

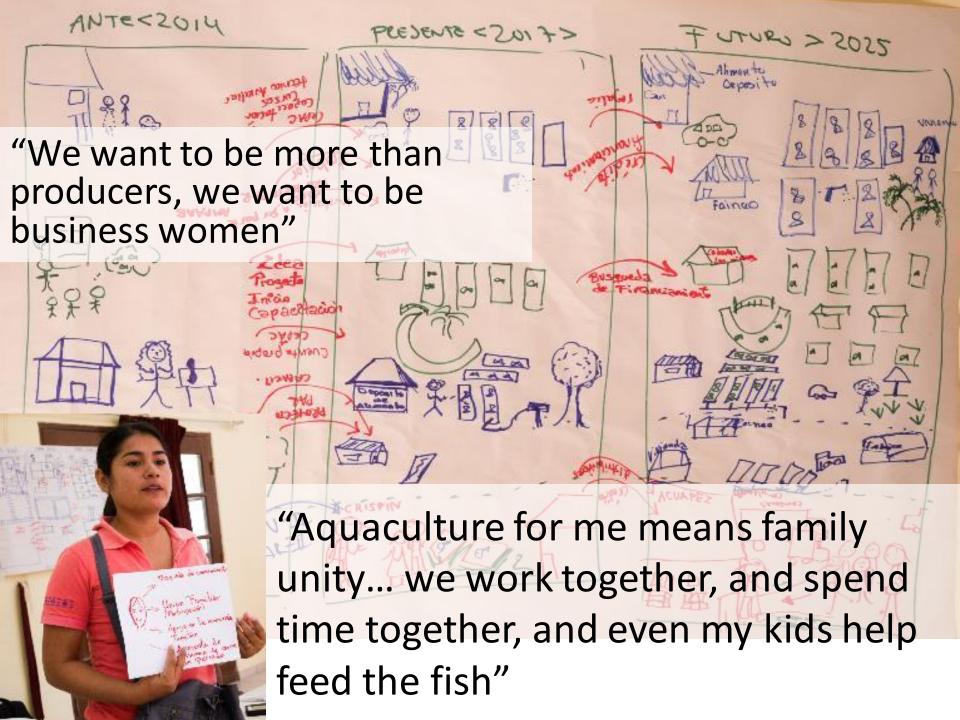


- 14 aquaculture associations, 12 fisheries associations
 - Economic Viability Training (financial literacy)
 - Gender equality sensitization and training
 - Legislative parity norms in associations





- 19% → 40% in aquaculture board of directors
- The legal recognition of women as fishers
- Fishing associations officially recognizing women as active members



- Improved agricultural productivity
- Market access and increased income

- Improved nutrition
- Gender equality and empowerment

Improved policies and governance

Improved policies and governance

LEY DE PESCA Y ACUICULTURA SUSTENTABLES



- 1 new Sustainable Fisheries and Aquaculture Law
- **3** Normative instruments
- 1 Fish hygiene and handling technical regulation
- Almost all 14 fishing associations and 12 aquaculture associations were legalized

Improved policies and governance



Conclusions

- Livelihoods are complicated and diverse, and require equally diverse pathways to address
- Involving local "beneficiaries" as equal partners is necessary for transformative impact
- To address system-level changes, need multidisciplinary team
- Addressing food security pillars as entry points for poverty and wellbeing work
- Gender work must continue, and can significantly impact food security and family wellbeing

