

Versteckte Lebensmittelkosten aufdecken! Was unsere Lebensmittel wirklich kosten

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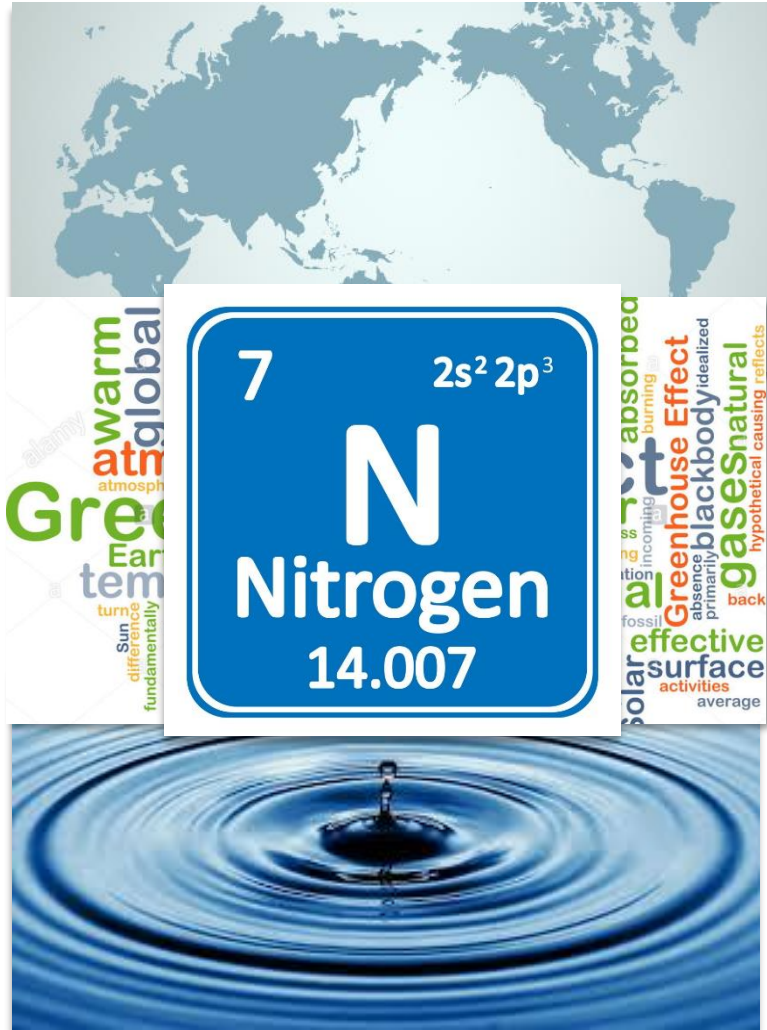
*Was tun? Vortragsreihe 2020 –
Zum internationalen Tag der Welternährung*

Arbeitsgruppe „Markets for Mankind“
Universität Augsburg, Universität Greifswald

1. A. Ökologische und soziale Auswirkungen landwirtschaftlicher Produktion

Die Landwirtschaft ...

- ... nutzt 37% der globalen Landfläche
- ... nutzt 70% des globalen Frischwassers
- ... emittiert 24% menschlich verursachter Treibhausgase
- ... emittiert 80% menschlich verursachter reaktive Stickstoffe

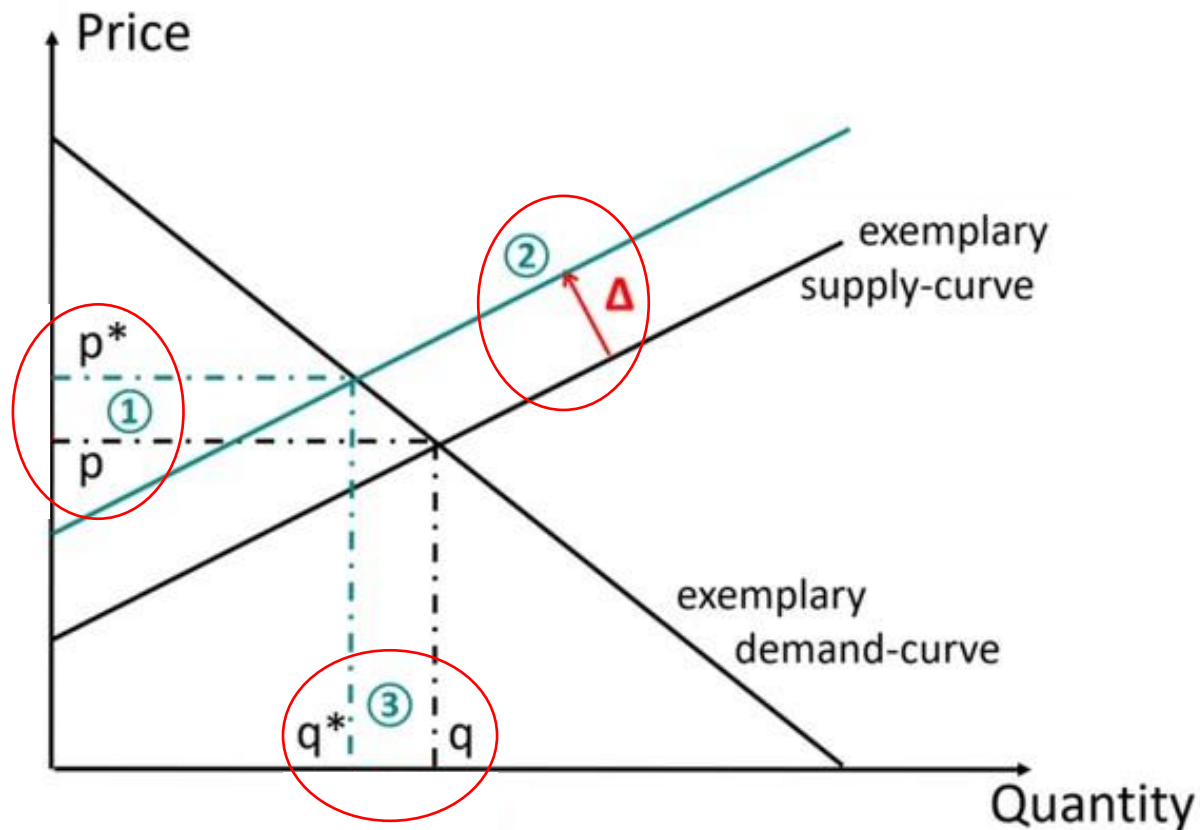


Externalitäten

Schadens- oder Folge-Kosten...

- ... durch **landwirtschaftliche Produktionsprozesse**
- ... getragen von **Mensch, Natur und Klima**
- ... welche **nicht in den Marktpreis von Lebensmitteln internalisiert sind**

Internalisierung: Effekte am Markt



Potenzial:

Preis-induzierte Veränderung
von Nachfrage-Mustern

→ Reduzierung
landwirtschaftlich verursachter
ökologischer und sozialer
Schäden

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Fleisch, Milch, Käse

Für die Umwelt: Viele Lebensmittel müssten teurer sein

31. August 2020, 5:28 Uhr / Quelle: dpa / 

Süddeutsche Zeitung Shop

SZ.de Zeitung Magazin

Politik Wirtschaft Meinung Panorama Sport München Bayern Kultur Gesellschaft Wissen Reise

19. September 2018, 8:19 Uhr Lebensmittelpreise

"Die Kühe, die verliebt ins Alpenpanorama schauen, kann sich niemand leisten"

Ein Dossier von MISEREOR in Zusammenarbeit mit der Redaktion WELT-SICHTEN.

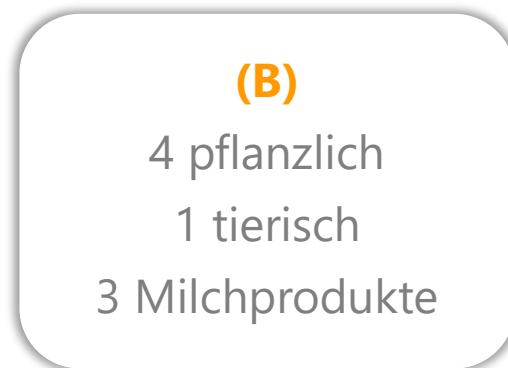
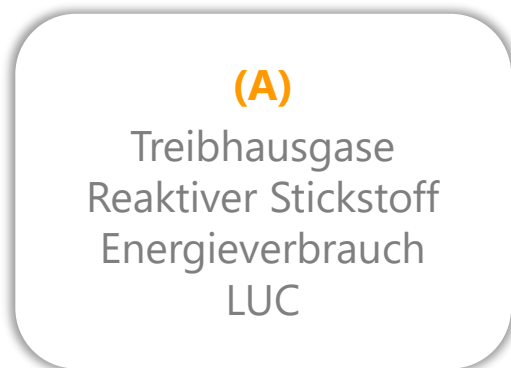
Die wirklichen Kosten unserer Lebensmittel

Eine zukunftstaugliche Bilanz



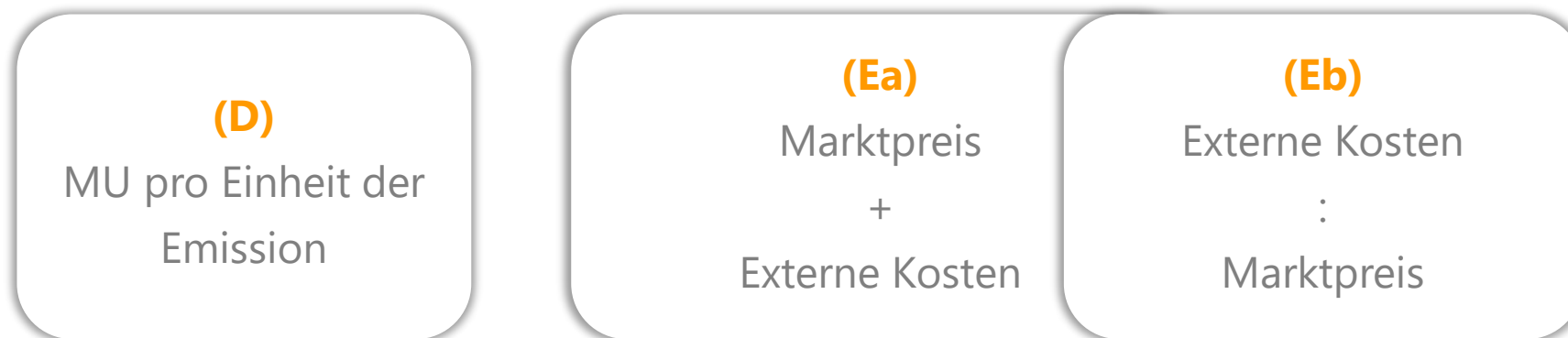
Schritte der Methodik

- (A)** Qualifizierung von Schlüssel-Indikatoren
- (B)** Quantifizierung der Indikatoren für Nahrungsmittelkategorien
- (C)** Differenzierung zwischen Produktionspraktiken



Schritte der Methodik

- (D) Monetarisierung ökologischer und sozialer Schäden
- (E) Internalisierung in den Marktpreis



(C) Konventionelle vs. Biologische landwirtschaftliche Produktion

→ Sammlung von LCA-Studien, welche zwischen den Produktionspraktiken vergleichen

- Meta-analytischer Ansatz:

- Untersuchung der Quellen existierender Meta-Studien, Durchführung einer Stichwortsuche in Google Scholar, Nutzung von Vorwärts- und Rückwärtssuche

- Kriterien:

- Vergleichbare legislative und klimatische Bedingungen → Europa

- Nennung von “organic production” als solche

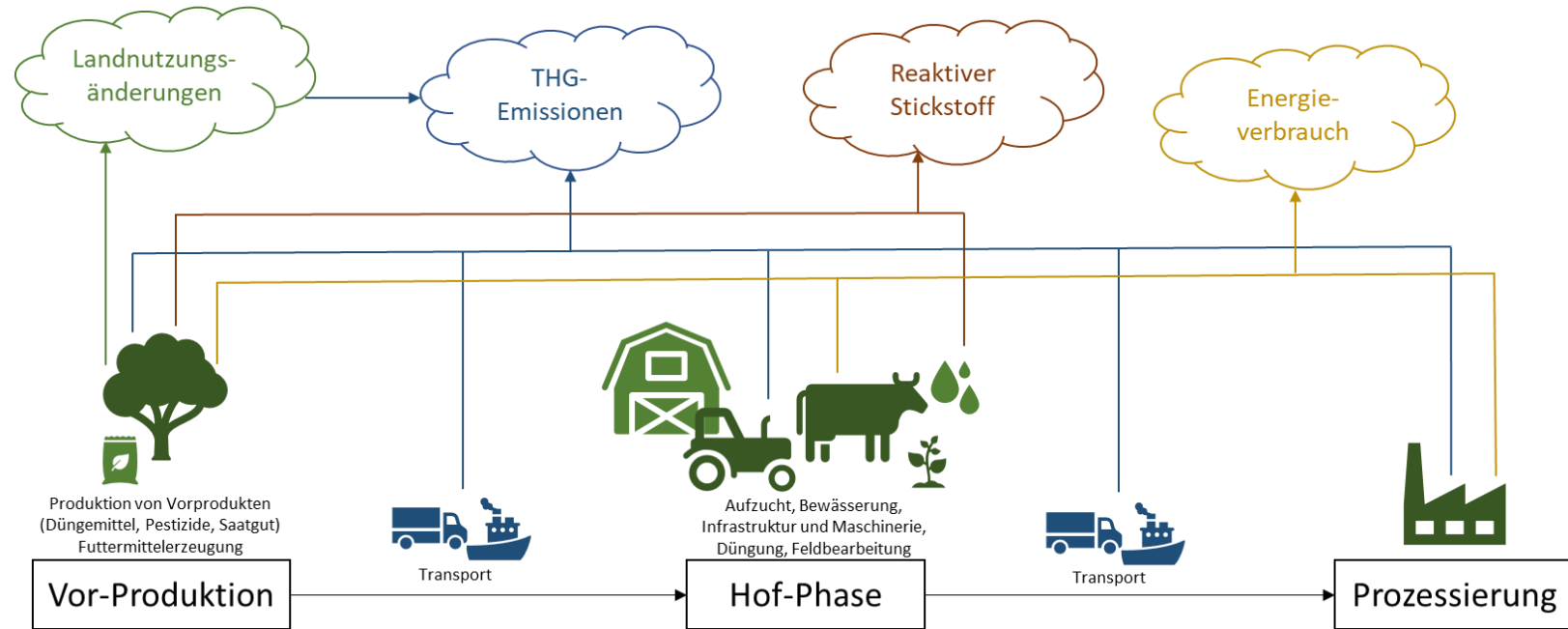
- Funktionelle Einheit: ha

→ 18 passende Studien wurden gefunden

2. Ein Framework zur Internalisierung von Externalitäten

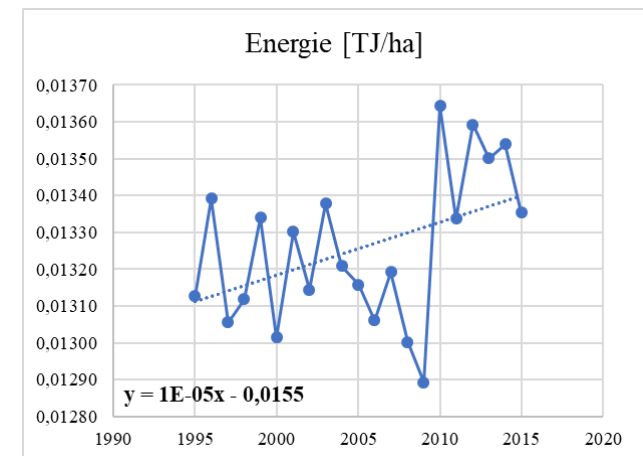
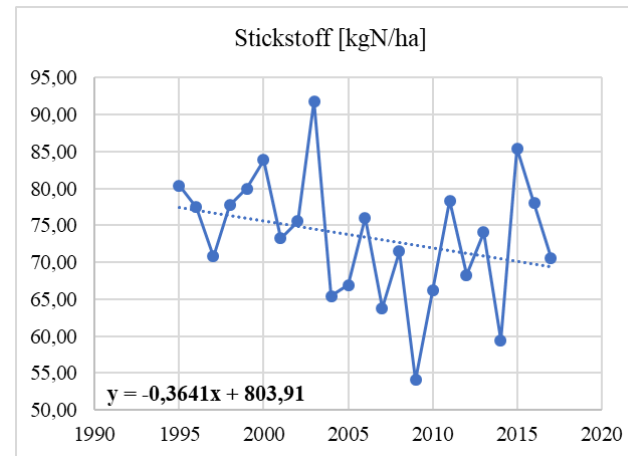
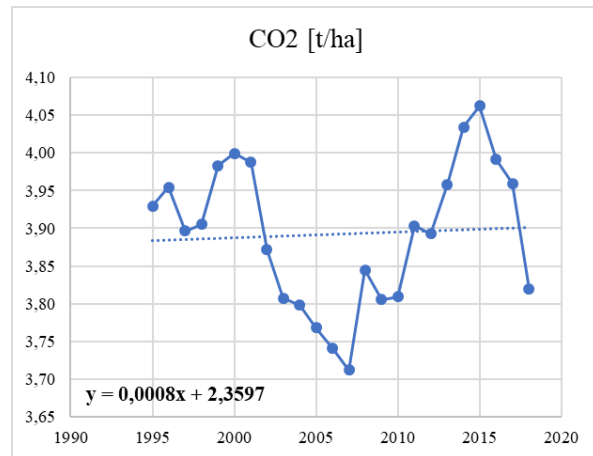
Untersuchungsrahmen (I)

- Systemgrenzen:
„From cradle to gate“
→ Vorproduktion, Hof-Phase, Prozessierung, Transport
- Betrachtete Indikatoren:
 - Treibhausgase
 - Reaktiver Stickstoff
 - Energieverbrauch
 - Landnutzungsänderungen



Untersuchungsrahmen (II)

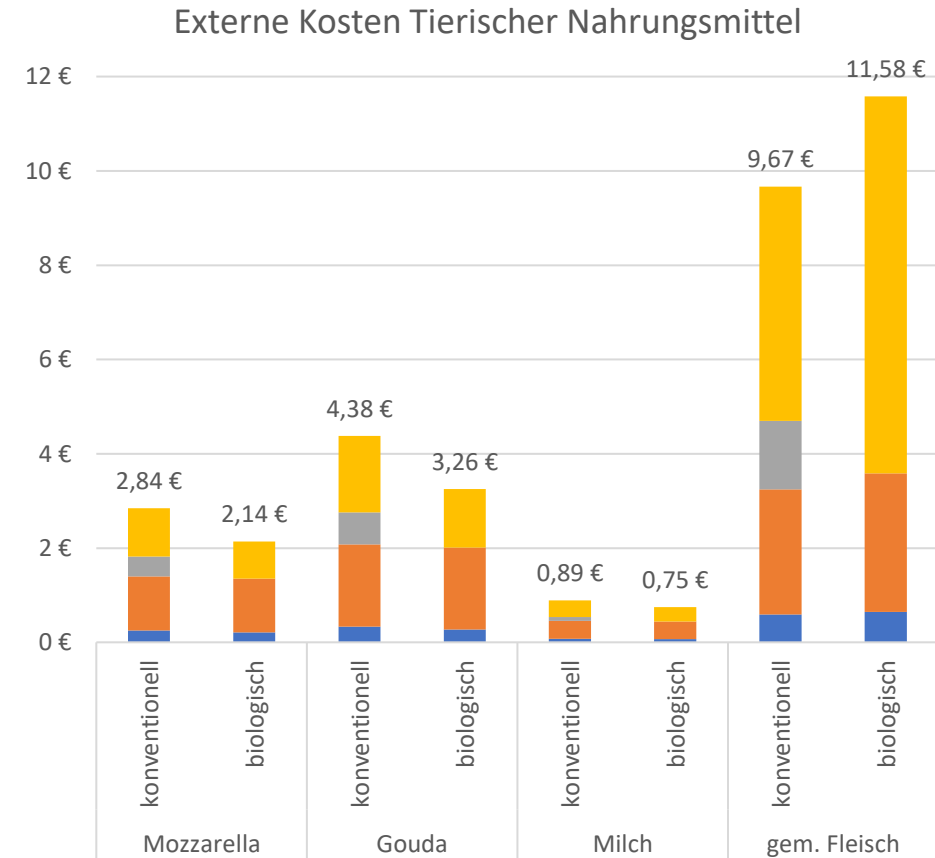
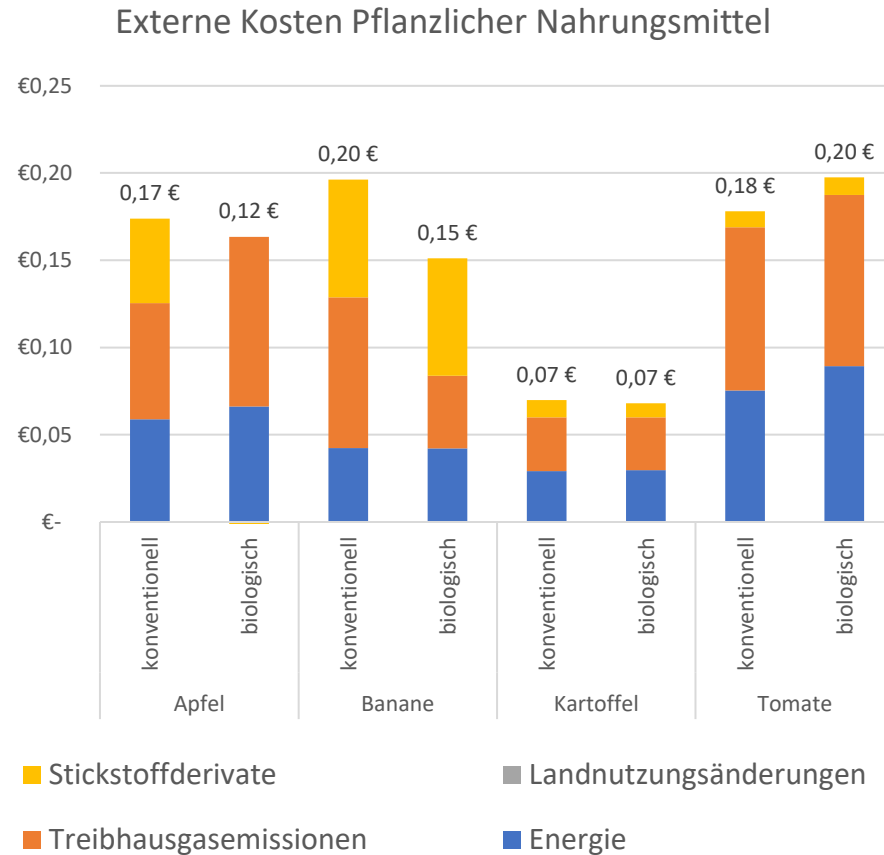
- Interpolation der Mengen



- Monetarisierung

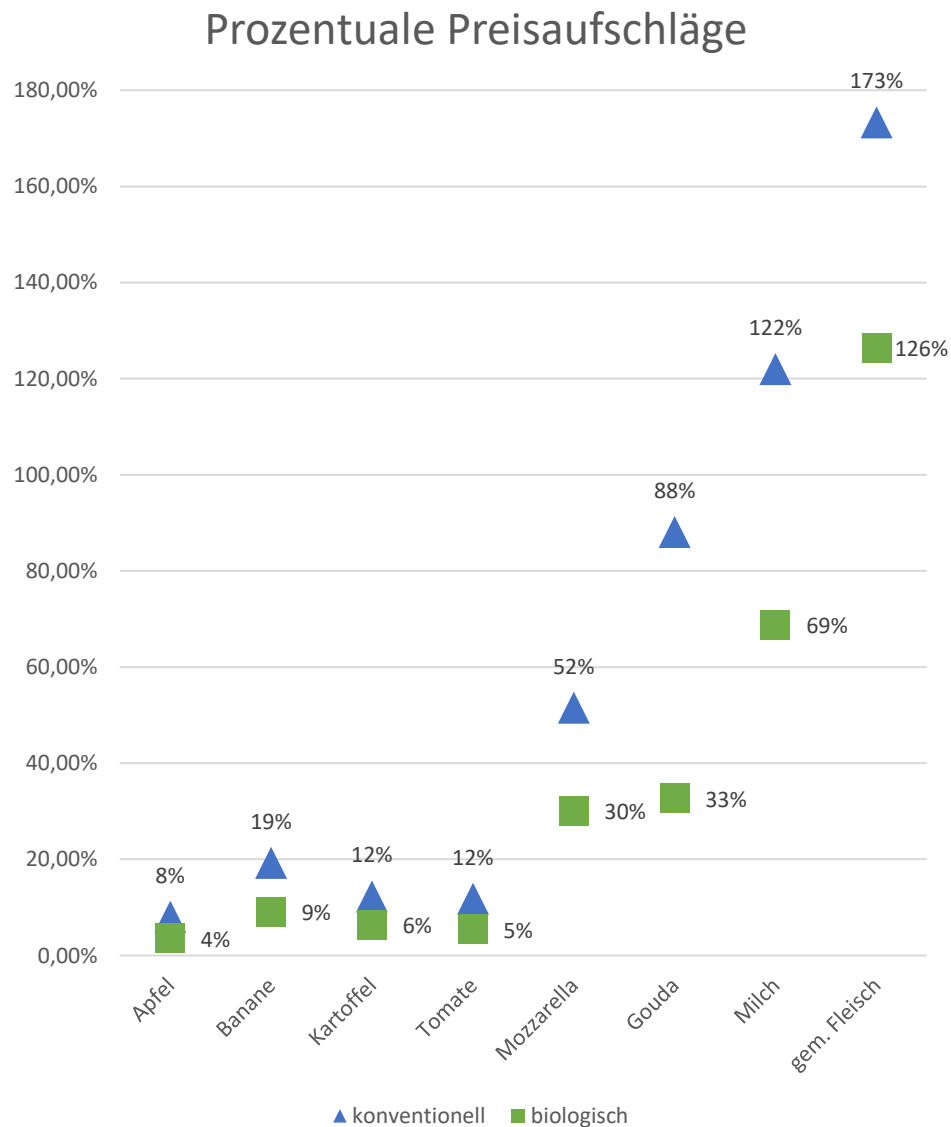
Reaktiver Stickstoff i	Kostensatz C_i
Ammoniak NH_3	33,70 €
Stickstoffoxide NO_x	18,88 €
Wasserlöslicher Stickstoff N_r	27,57 €

3. Ergebnisse & Interpretation



- Alle pflanzlichen Kosten verglichen mit tierischen sind geringer
- Alle konventionellen Kosten verglichen mit biologischen sind höher (außer Hackfleisch)
- Fleisch verursacht die höchsten Externalitäten aus allen Kategorien

3. Ergebnisse & Interpretation



- Die derzeitigen Marktpreise sind inadequate und bedürfen Preisaufschläge bis zu über 170%
- Konventionelle Preisaufschläge müssten in jeder Kategorie höher sein als biologische
- Vor allem tierische Marktpreise sind derzeit viel zu gering

3. Ergebnisse & Interpretation



Wirtschaft muss auch **ökologische** und **soziale Wahrheit** sprechen!

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