

# Zero Waste Movement?



Diogo Lorena

With the support of:

**darioordar**  
associação contra o desperdício



FUNDAÇÃO  
CALOUSTE  
GULBENKIAN



Recognition:





# Before 2010 in Portugal

- 324 mil ton/year wasted during distribution

**15 thousand garbage trucks trips!**

- Estimated 50.000 meals wasted daily
- And yet until 2011 “it was not possible” to recover cooked food.



# The EC Regulations

- General Food Law  
(Regulation (EC) nº 178/2002)
- Food hygiene and safety  
(Regulation (EC) nº 852/2004)
- Specific hygiene rule on the hygiene of food of animal origin  
(Regulation (EC) nº 853/2004)





# Zero Waste Movement | DARiACORDAR

Our vision:

**To end waste in all its forms**

**In 2010** petition against food waste is launched

**2011** Reinterpretation of European Food Regulations with  
**ASAE** - National Food Health and Safety Authority



# Collaboration with ASAE

Development of safety procedures checklists to:

- Collect,
  - Store
    - Transport

Safety standards training sessions with ASAE experts for future donors

**It is now, and since 2011, possible to legally recover prepared food!**





# Collaboration with ASAE



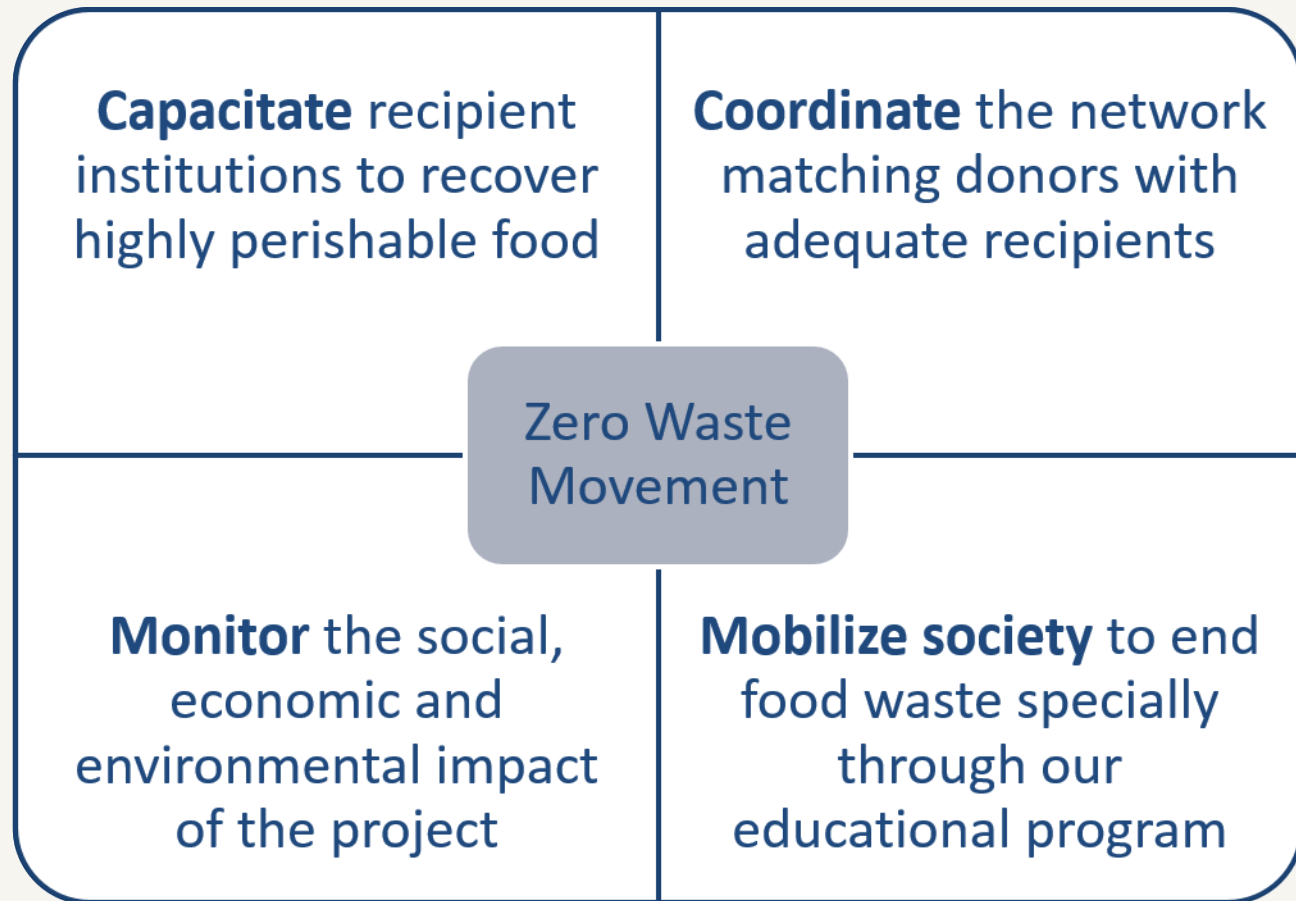


# The Operational Model





# Our role







# Our network

From April 2012 to August 2016 we:

- **3,356,000 +** equivalent meals recovered
- Valued over **€8.4 million**
- 1,600 ton + of residue avoided
- 7,000 ton + of CO<sub>2</sub> avoided
- In **19** different municipalities

With:

- 188 donor entities
- 75 receiving entities

Supporting:

- 7,270 beneficiaries
- 2,447 families





# Our network

- [Live data](#)

€ 8.468.231

Valor Económico Gerado

7.048

CO2 evitado (ton)

1.678

Resíduos orgânicos evitados (ton)

3.356.041  
Refeições equivalentes

7.270

Nº de Beneficiários

2.447

Nº de Famílias

548

Nº de Voluntários

Doadores

188

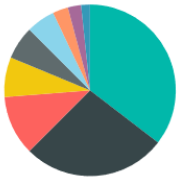
Recetores

75

## Doadores por setor de atividade

Setor

- Restauração
- Distribuição
- Hoteleiro
- Outras Entida...
- Escolar



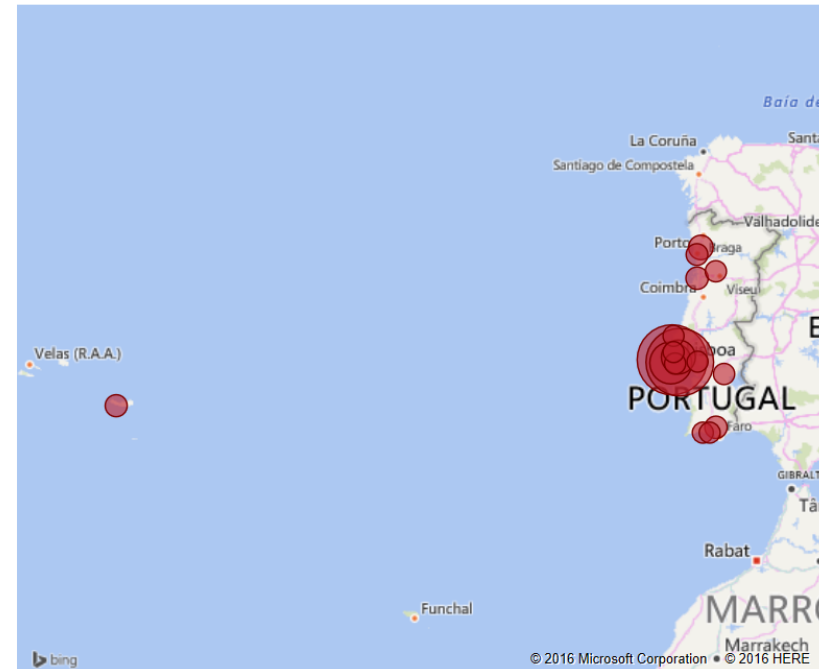
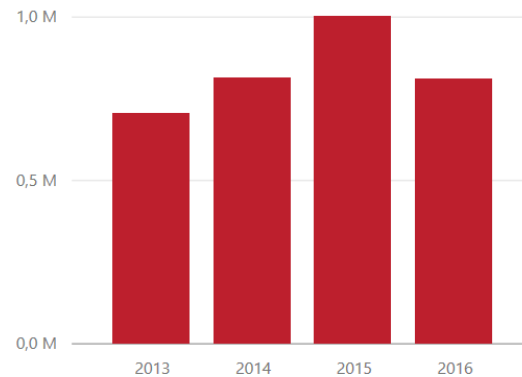
## Doadores por setor de atividade

Tipo

- Complementos
- Conduto
- Géneros
- Sopa



## Refeições equivalentes por ano



Com o apoio de:



Reconhecimento:

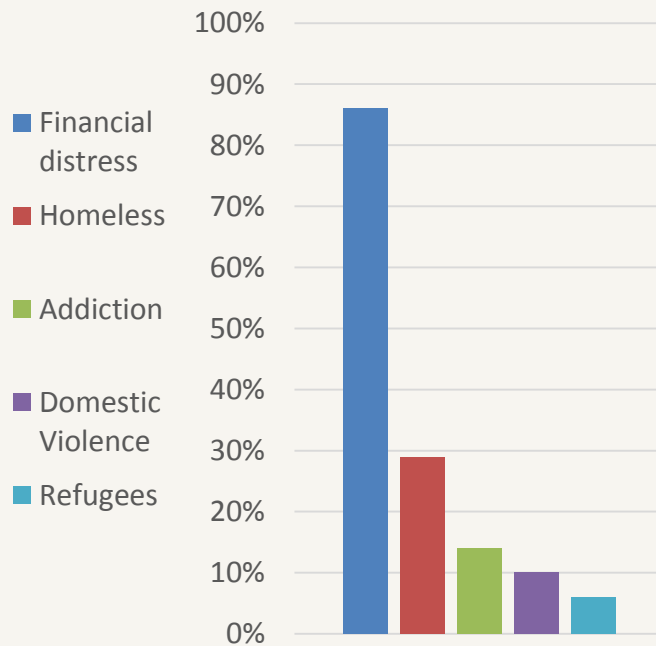




# Some statistics...

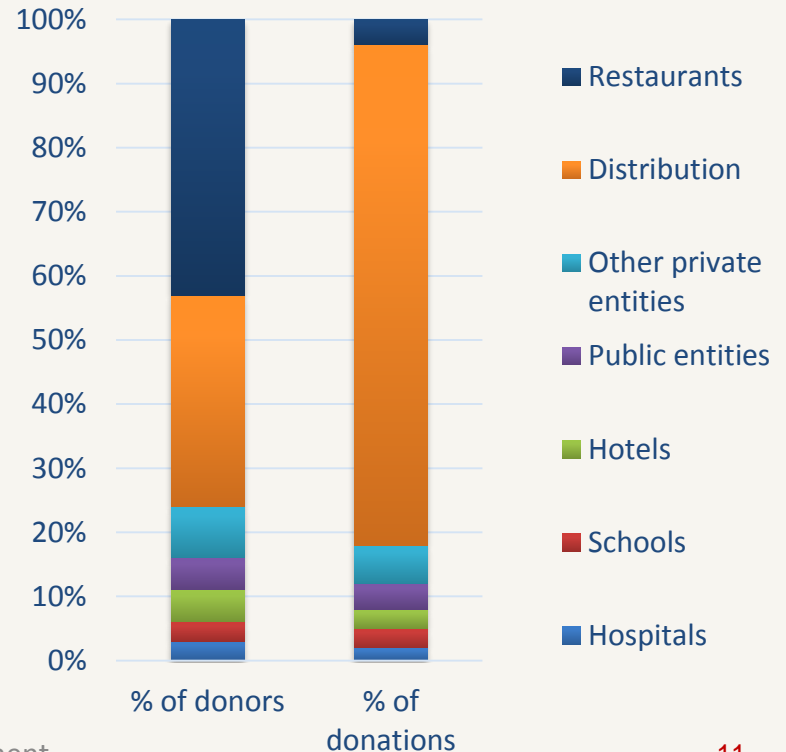
- 6% are direct action from local government
- 90% have other food aid programs in place

% that support a given beneficiary group



Zero Waste Movement

% of donors and donations per sector

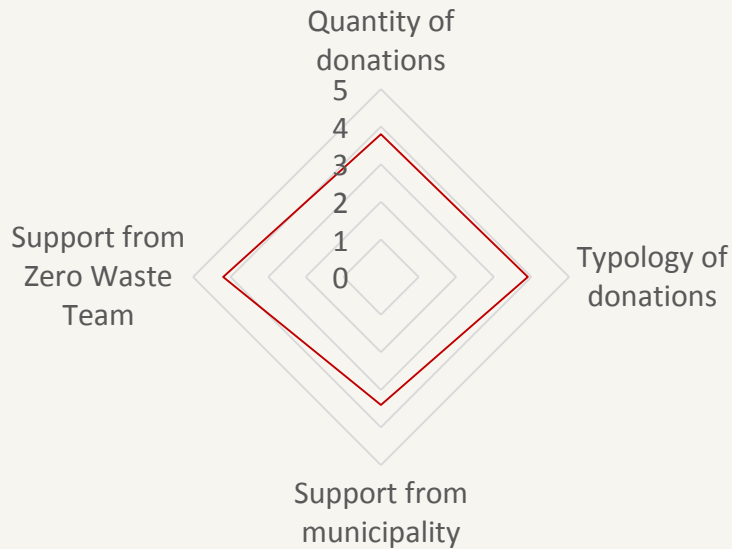




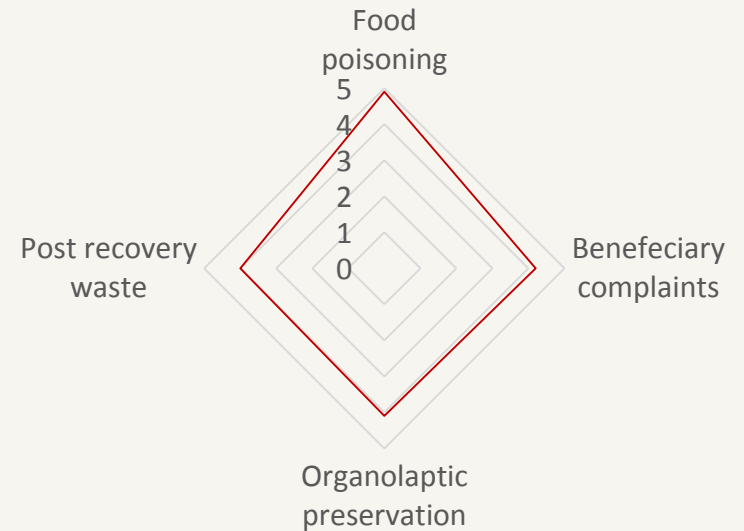
# Member satisfaction

- On-line survey
- 32 answers for total population of 49
- Confidential

## Satisfaction



## Track record of avoidance of undesirable events

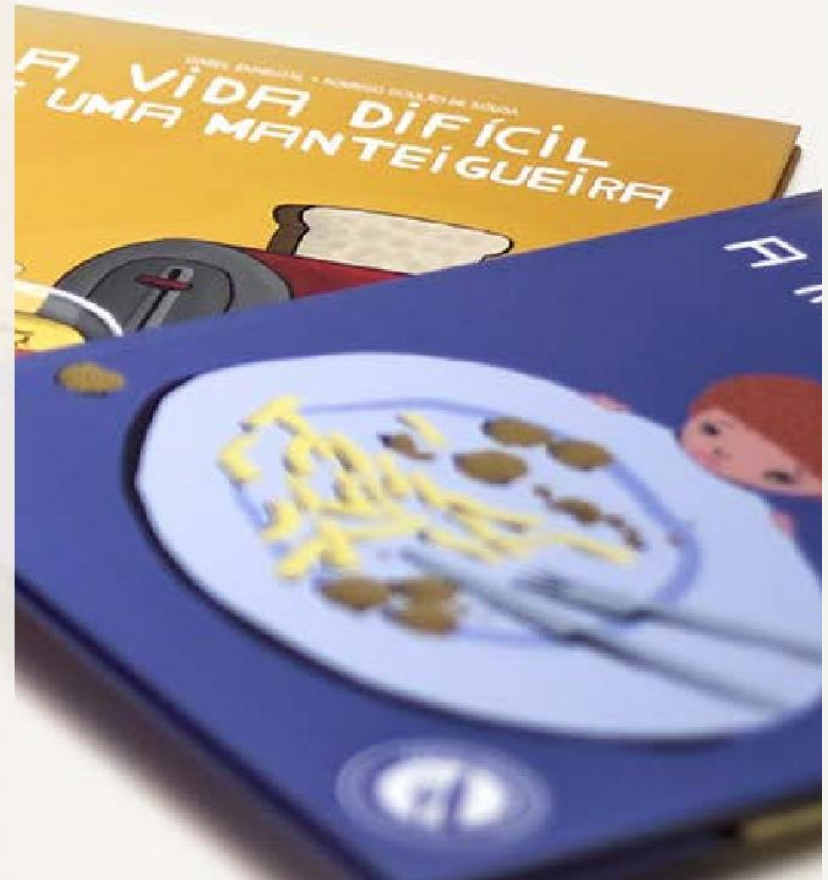




# Current Awareness campaign

THESE BOOKS WERE DESIGNED TO BE BOTH EDUCATIONAL AND FUN, AND EACH ONE OF THEM INCLUDES SUGGESTIONS OF THINGS TO DO AT CLASS AND AT HOME.

THEY WILL BE DISTRIBUTED FOR FREE IN ALL THE ELEMENTARY SCHOOLS IN THE DISTRICT OF LISBON AND MAY BECOME PART OF THE NATIONAL READING PROGRAM. IT IS OUR AMBITION TO GO EVEN FURTHER - NEXT YEAR WE INTEND TO EXTEND THIS PROJECT TO ALL THE SCHOOLS IN THE REMAINING DISTRICTS, WHICH ARE ALREADY A PART OF THE ZERO WASTE MOVEMENT.



[Multimedia Collection](#)



# National Recognitions

- ES + (high potential social entrepreneurship initiative)



- “Mobilization Initiative” Food and Nutrition Awards



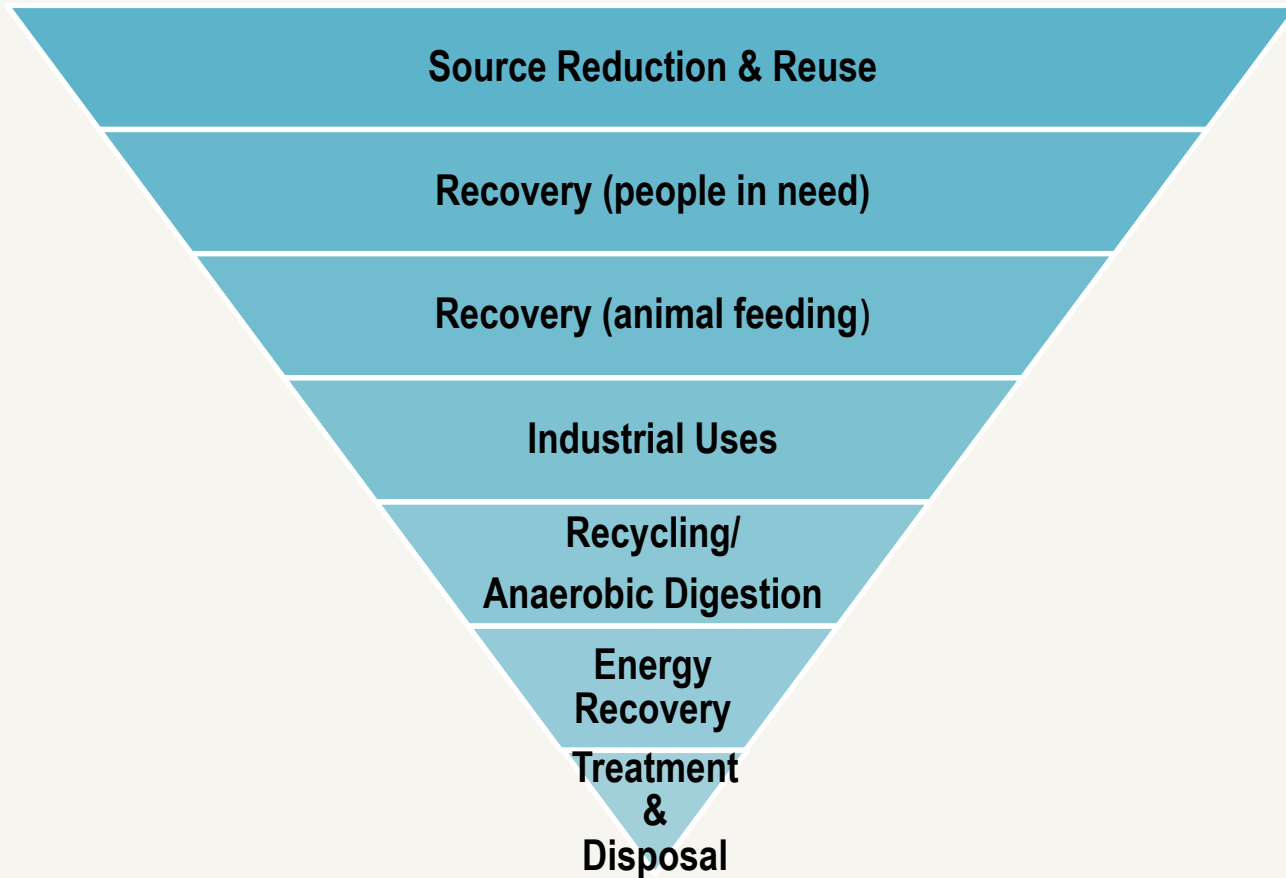
- PRATO best practices recognition and AHRESP 2016





# The new challenge

- To capture the entirety of the waste recovery hierarchy





# So what policy recommendations are out there

Laws forbidding waste!

Deregulation of food waste recovery

Regulation of food waste recovery

Good Samaritan laws

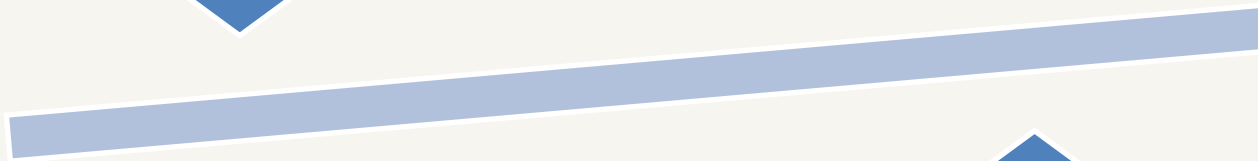




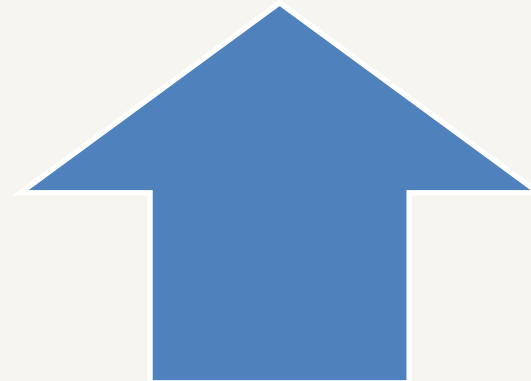
# Now the way is...



- Coexistence and food waste and hunger
- Environmental impact



- Food waste is an inadequate social response
- Greenwashing
- 2 tier consumption





# Can we meet citizens expectations?

Avoir une alimentation suffisante

Saine, équilibrée et variée

Que l'on aime

Avec des produits locaux

Que l'on puisse partager avec d'autres

Pour soi et pour ses enfants

Etre bien informé sur ce que c'est une bonne alimentation

Pouvoir cultiver son propre jardin



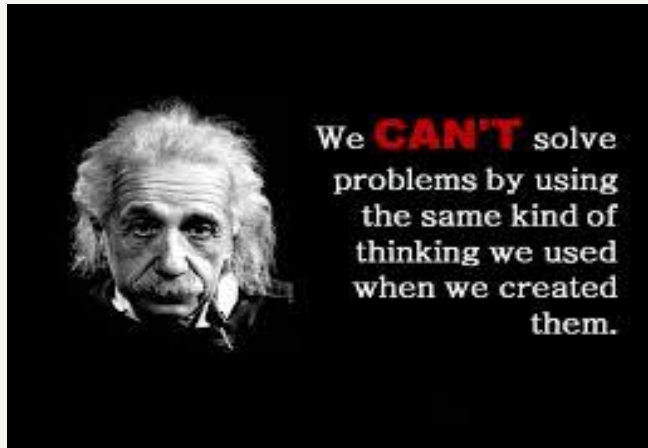
# Mind teasers

Are the **citizens expectations** being met?

Are the **unjustified** legal (real or perceived) impediments lifted at a global level?

Is there an **environmental focus** in the measures in place?  
Is the entirety of the food waste hierarchy being considered?

Are the **ethical** issues being addressed?



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