



# Eress Forum 2024

## Infraestruturas de Portugal



---

# Cooperation between IMs and TOS, where are we now?

Raimondo Orsini

Sustainable Development Foundation



# A new direction for the European parliament

LAS ELECCIONES AL PARLAMENTO EUROPEO

## Sacudida ultra en Francia y Alemania

IL BILANCIO EUROPEO  
IL TERREMOTO  
di Adriana Cerretelli — a pag

LA SCHEDA

Parlamento europeo, dalla formazione dei gruppi politici alla nascita della nuova Commissione Ue: cosa succede ora

# LE COU TONNE

# Le co de poker

MIYTAG, 10. JUNI 2024  
**Bild**  
UNABHÄNGIG · ÜBERPARTeilICH

# Kanzler- Klatsche

# Le Monde

DIMANCHE 9 - LUNDI 10 JUN 2024  
80P ANNIÉE - N° 24707  
3,60 € - FRANCE METROPOLITAINE  
WWW.LEMONDE.FR -  
FONDATEUR : HUBERT BEUVE-MERIEY  
DIRECTEUR : JÉRÔME FENOGLIO

L'ÉPOQUE - SUPPLÉMENT

PARIS SPORTIFS : UNE ADDICTION DIFFICILE À COMBATTRE



## Niederlage für die Ampel

## Européennes : les enjeux d'une élection capitale

Which is the main thought in the average Mediterranean man's mind almost every hour, every day?



# European leadership has also changed in this area



**Mediterranean states are  
the new advanced  
Northern Europe!**

---

# It's not just a matter of European cups...



Share of electricity production from renewables, the highest %  
in Europe are  
**Norway, Luxemburg, Denmark, Austria...and**



# Portugal!

**72,82%**

**We are very happy to be hosted here!**



# Questioning time!





slido

Which European railway company consumes  
less per traction unit?  
(GWh/tu)

1



2



3



4



slido

Which European railway company consumes  
less per traction unit?  
(GWh/tu)

1



2



3



4



Which European railway company has the lowest specific emissions per passenger-km?  
(gCO<sub>2</sub>eq/pkm)

1



2

Santa Claus Express



3

Vatican Railways



4

NS



Which European railway company has the lowest specific emissions per passenger-km?  
(gCO<sub>2</sub>eq/pkm)

1



2

Santa Claus Express



3

Vatican Railways



4

NS



# slido

Which European railway company has the lowest specific emissions per net ton-km?  
(gCO<sub>2</sub>eq/net tkm)

1

 ÖBB

2

 SBB CFF FFS

3

 SNCF

4

Amazon Railways  
 amazon

# slido

Which European railway company has the lowest specific emissions per net ton-km?  
(gCO<sub>2</sub>eq/net tkm)

1

 ÖBB

2

 SBB CFF FFS

3

 SNCF

4

Amazon Railways  
 amazon

---

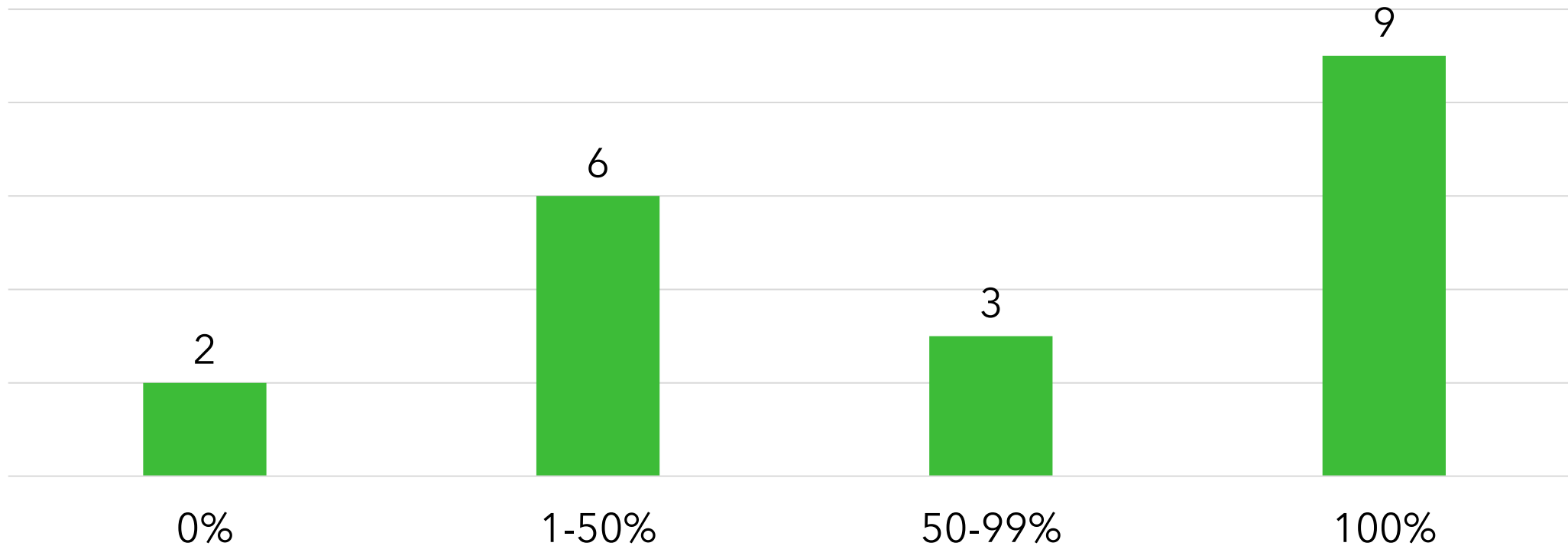
# Railway Energy in Europe

## ERESS 2024 Survey



# Traction units with installed meters

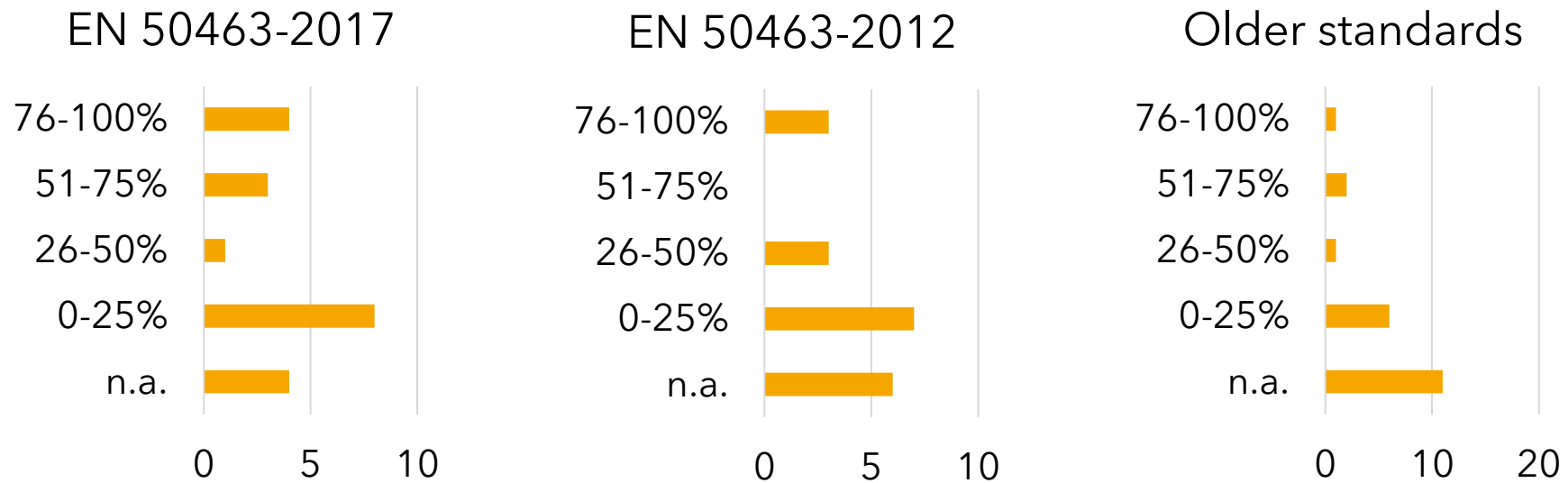
In your company, what is the percentage (%) of traction units with installed meters?





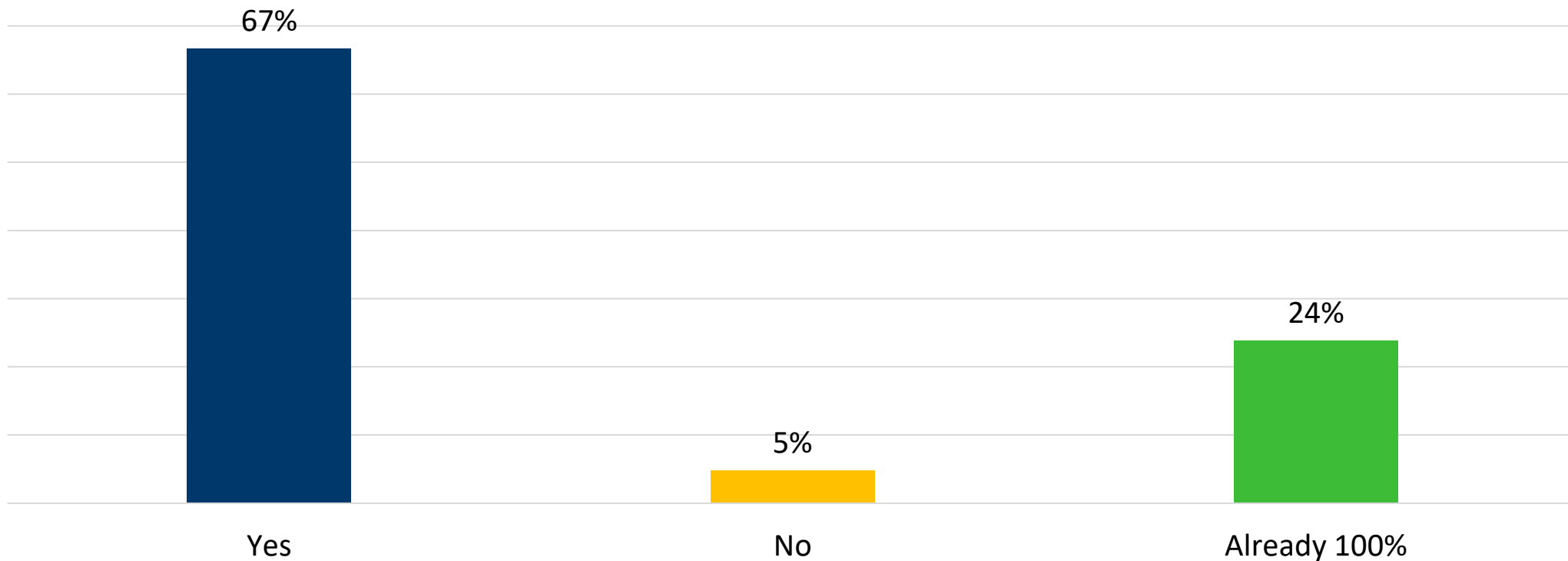
# EU Standards

Of the traction units with installed meters in your organisation, which percentage follow these European standards?



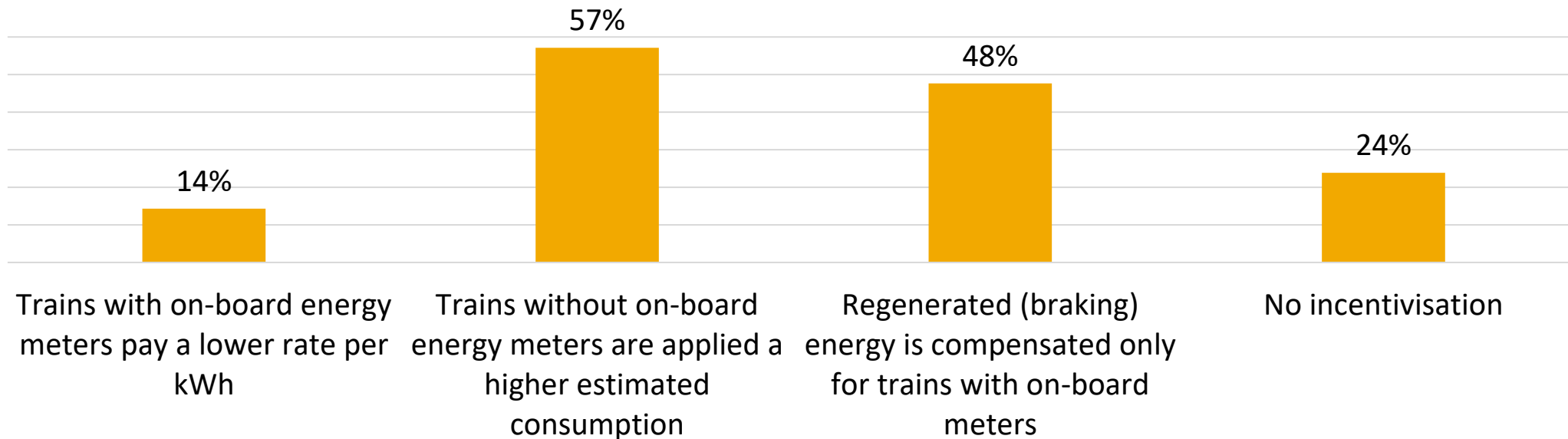
# Expectation of the number of meters

Do you expect to have more meters in 2024?



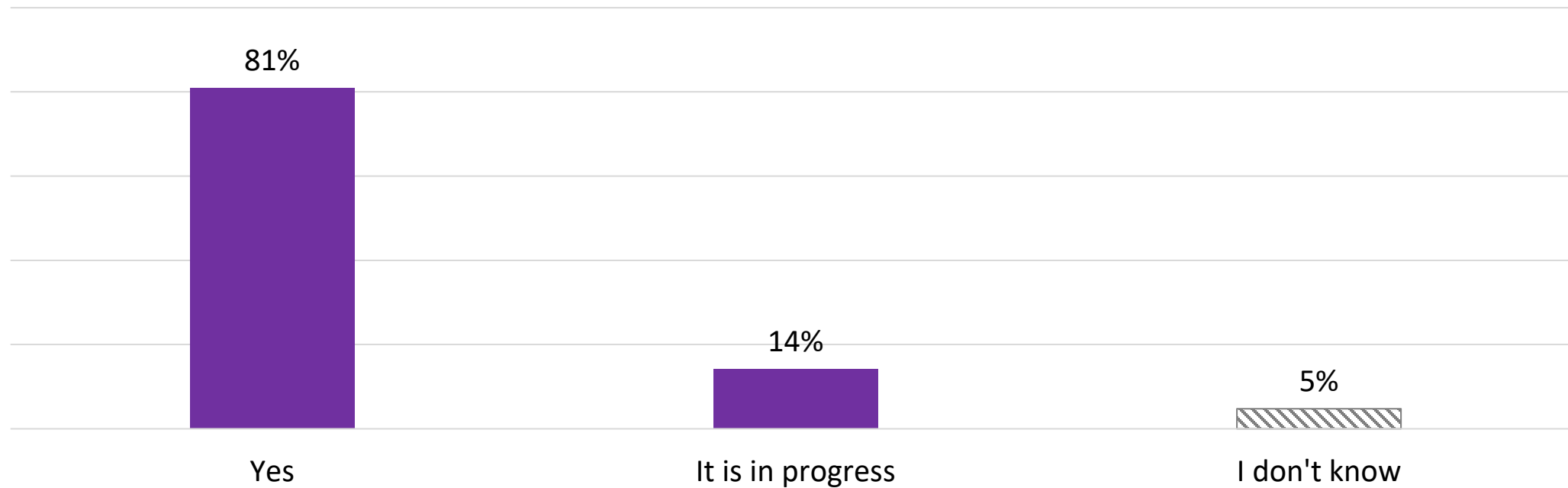
# Incentivising the installation of meters

How is the installation of on-board energy meters incentivised in your country?



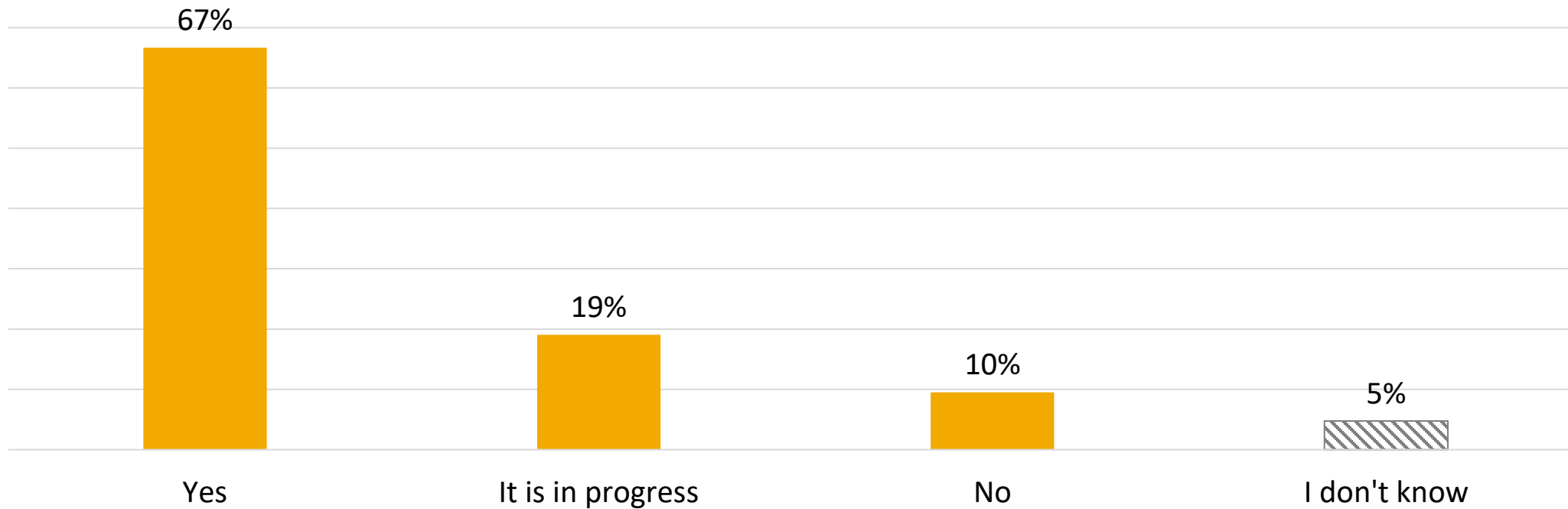
# Data Collecting System

Do you have a Data Collecting System (DCS) in your country to correctly gather energy metering data from trains for billing purposes?



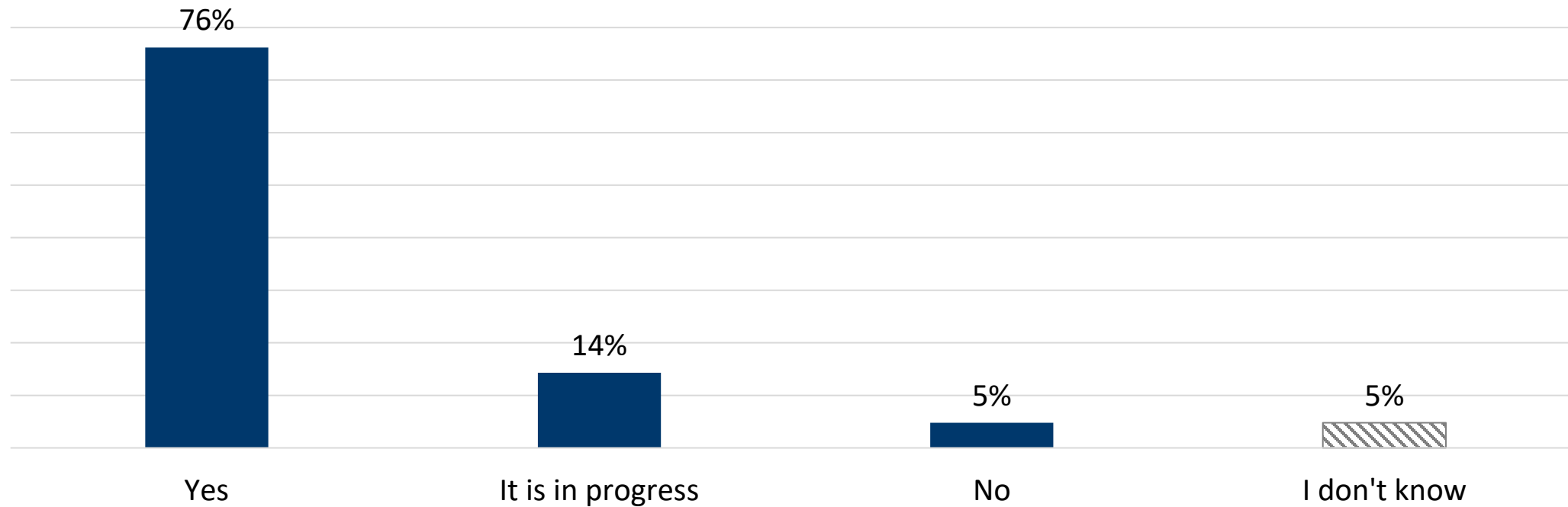
# Exchange System

Do you have an Exchange System in your country to correctly distribute energy metering data from trains to other countries for billing purposes?



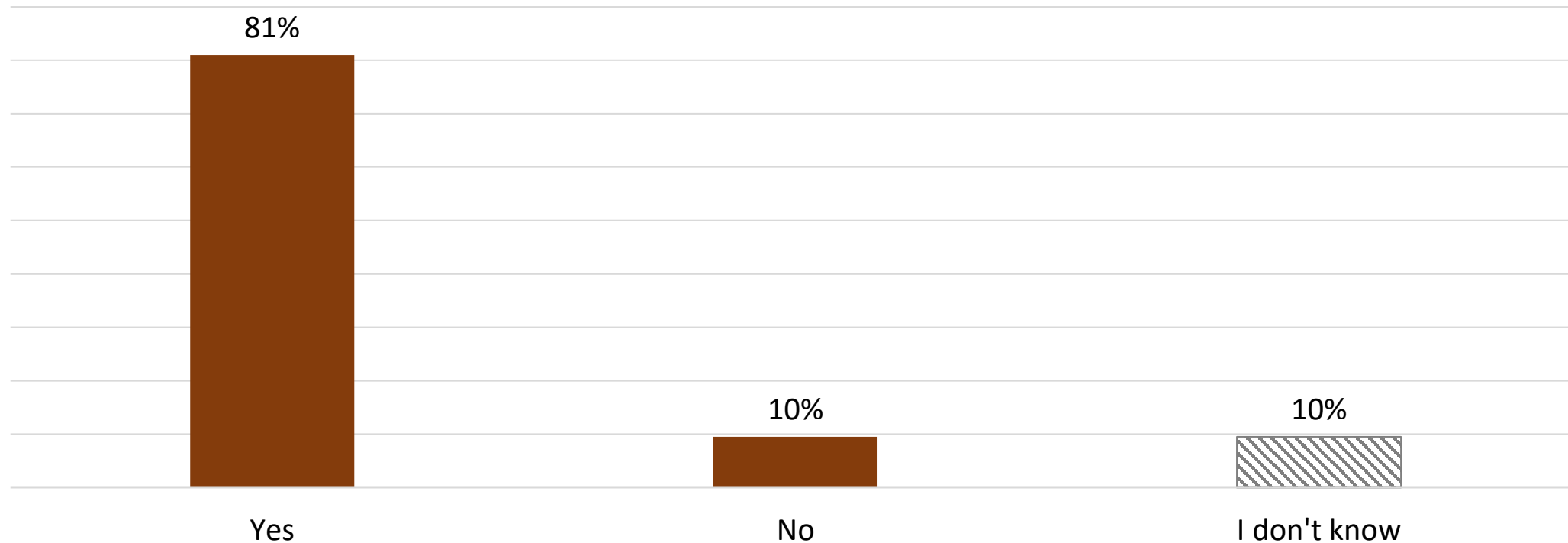
# Energy Settlement System

Do you have an Energy Settlement System in your country to correctly handle energy metering data from trains for billing purposes?



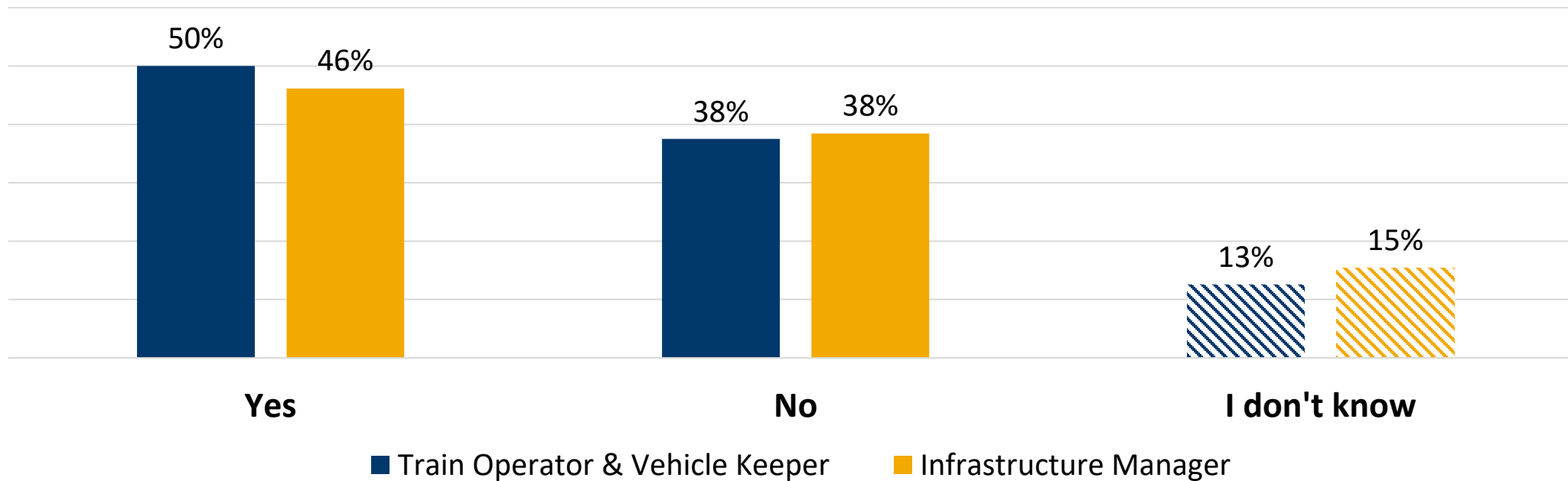
# Invoicing correctly

Do you have a non-discriminatory solution in your country to correctly invoice train companies that use meters?



# Cooperation between IMs and TOs

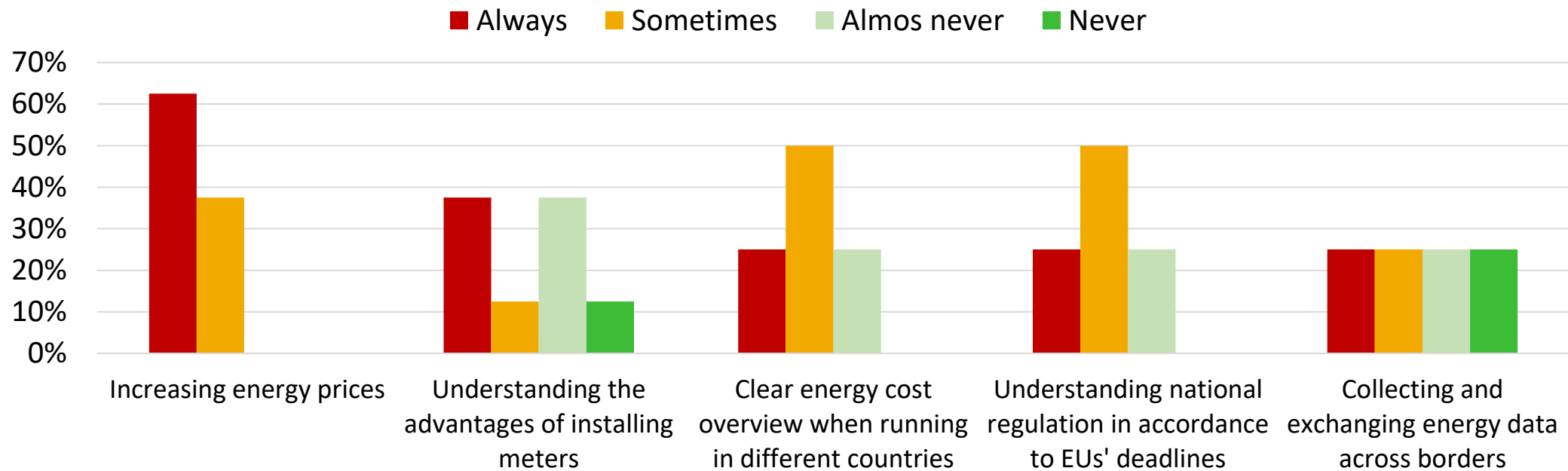
Do you think that the cooperation between Infrastructure Managers and Train Operators in EU is strong enough regarding energy use?





# Train operators and vehicle keepers' point of view

Which challenges are you facing regarding energy?



# Hints for improving cooperation

Do you have any ideas on how to improve the cooperation between Infrastructure Managers and Train Operators?

## Infrastructure Managers' point of view

- IM should always offer traction energy as an additional service
- IM shall permit third party access for RU that has on-board EMS on complete fleet
- IMs need to work together and find best solutions across borders for international TOs
- More incentives for rail undertakings
- More European governance
- **More transparency**
- **More information** between IM and Train Operator

## Train operators' point of view

- Intensify **exchange of information** and collaboration between IM and all RU's
- Make a national manual to explain how everything works and who are contact persons for the different topics
- **More transparency**
- It should be mandatory for TOs to have an office dedicated to rolling stock energy consumption, with powers and strong relevance on corporate governance
- The **information** we provide to the Infrastructure Managers are not always processed correctly

In your opinion, what should be done to improve cooperation between IMs and TOs?

1

Exchange of information

2

More transparency

3

EU governance

4

More incentives for RUs

---

**Let's start NOW a new trend of  
cooperation between Train Operators  
and Infrastructure Managers**

# On stage...



**Stijn Rogghe**  
*Energy Manager*

**Crossrail Benelux NV**



**Filipe Pina**  
*Head of Regulation Affairs*

**Infraestruturas de Portugal**



## WORKSHOP 1

**How to ensure the correct exchange of energy data in benefit of Train Operators & Vehicle Keepers in Europe?**

## WORKSHOP 2

**What do we need to do to ensure the cross acceptance of Energy Measurement Systems in Europe?**

---

# Thanks!

Raimondo Orsini  
Sustainable Development Foundation  
orsini@susdef.it

