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4th Regional Workshop on Sustainable Transport Indicators

Regional Training Course Development

“Data, Indicators and Measurement Reporting and Verification (MRV) for the transport sector”

Diamond Residences Makati,

Manila, Philippines

29 November 2017

Papondhanai Nanthachatchavankul

Project Manager

ASEAN-German Technical Cooperation Project

“Energy Efficiency and Climate Change Mitigation in the Land Transport Sector”

1



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Divide into 4 groups

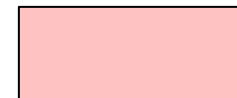
According to the given transport policies, please discuss answer below questions in your group:

1. Please propose data or indicators suitable for monitoring and evaluating the implementation of the given policies/strategies?



5 mins

2. Based on question 1, what might be two challenges in conducting the monitoring process?



5 mins



Content

1. Training Need Analysis

2. Objectives of the training course

3. Training Development Process

4. Component of the training

5. Expected outputs of the training

6. Example of the training content



Content

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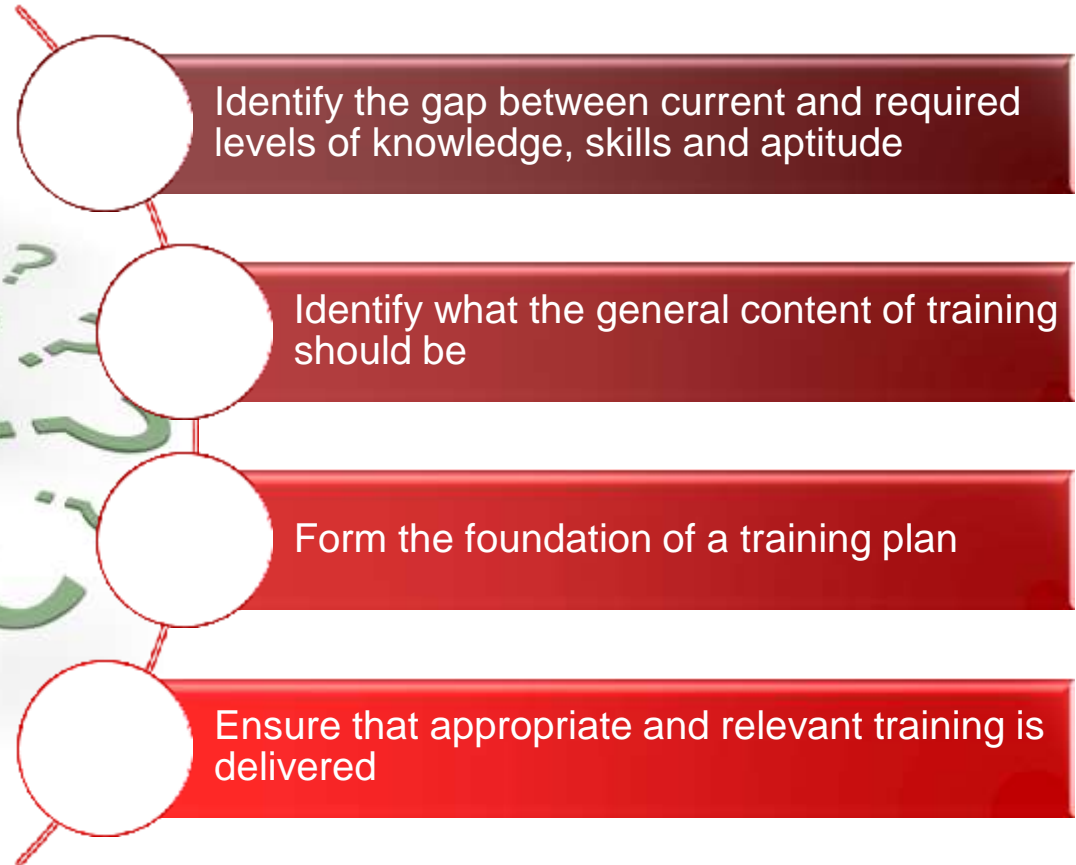
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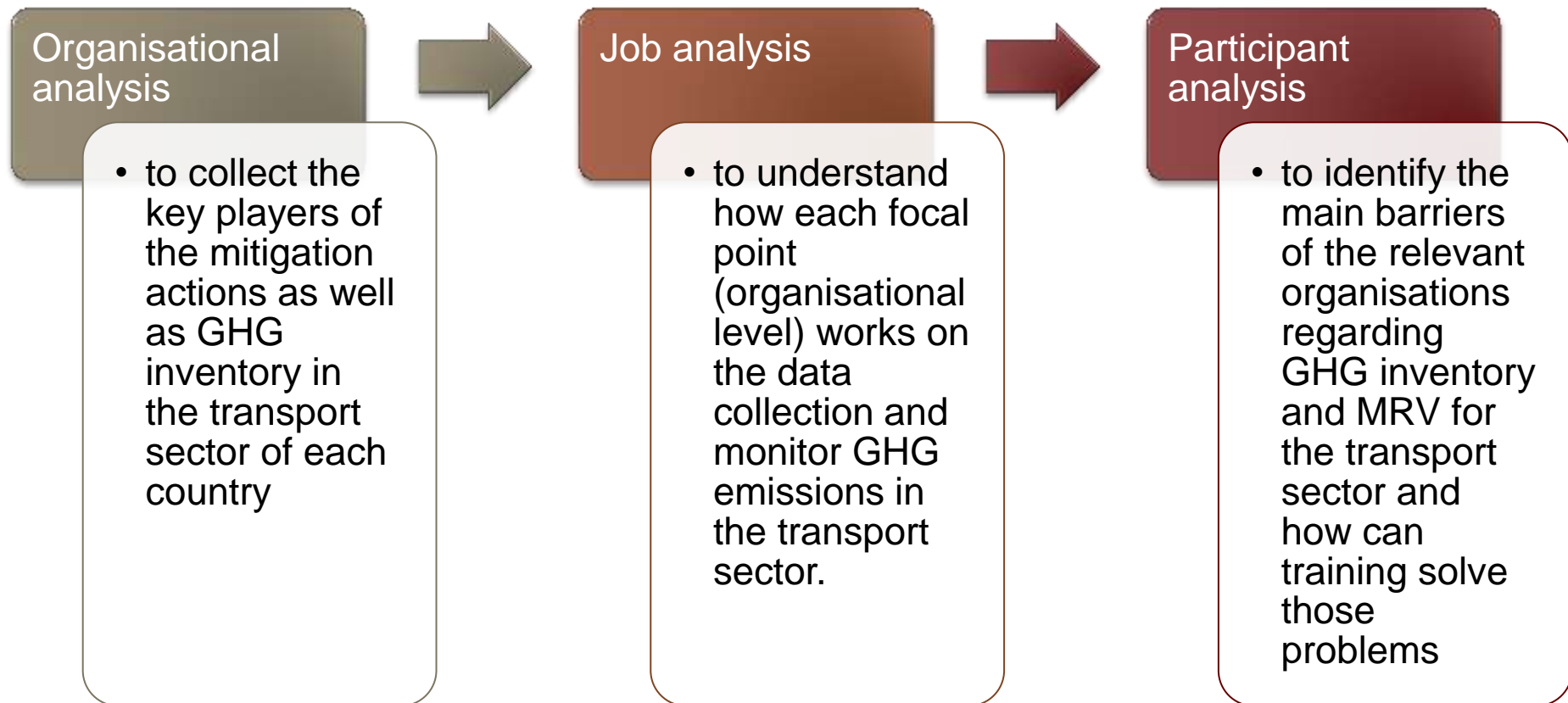


Why TNA is necessary for Training





Components of Training Needs Analysis





I. Organisation analysis



Does your country have any “National Climate Change Strategies/master plans/Action Plans”?

Which organisation in your country is a focal point to track the progress of the national GHG emissions reduction plan?

Analyse role & responsibility of the organisations that suit with training topic

Analyse role & responsibility of the organisations to find the suitable training topic



II. Job analysis



how do those
responsible
organisations
produce the
GHG inventory

No. of staff
work in
GHG
monitoring
process

Problems found
in conducting
the GHG
emissions
monitoring
process

**Which positions in the organisation that
need this training**

No. of target participant



III. Problem analysis



what are the main
barriers of your
country to develop a
GHG inventory and
tracking the progress
of the mitigation
actions in the
transport sector?

What
supports are
the most
required?

**Identify content in the training that can improve works
in the organisaiton**



Content

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Regional Training Course

“Data, Indicators and Measurement Reporting and Verification (MRV) for the transport sector”

Objective

To build up capacity of the relevant stakeholders who have to take stocking transport data and quantify GHG emissions / reduction.





Content

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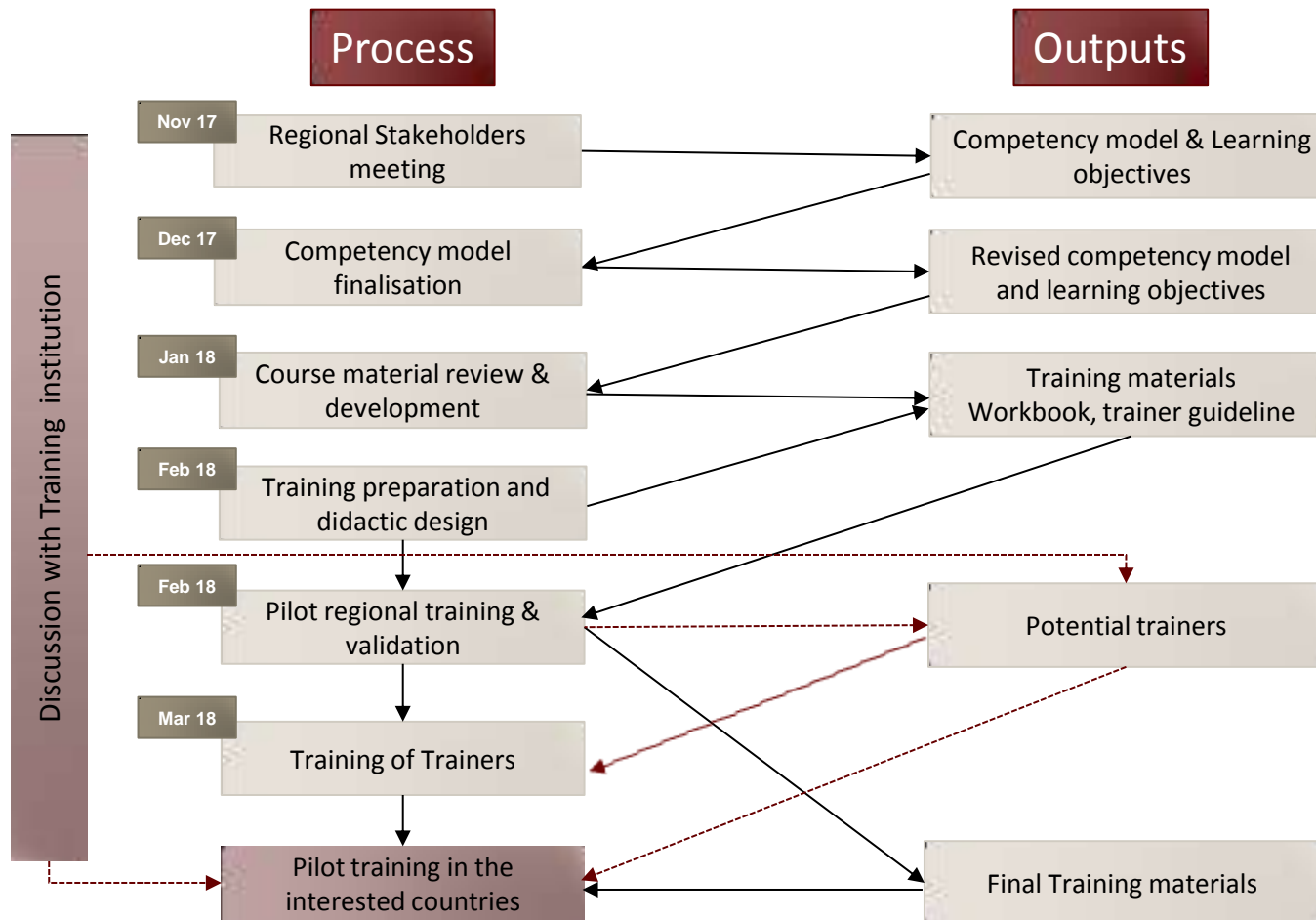
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Processes Diagramme of the Regional Training Course Development





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Component of the training course

Advance Monitoring of the Transport Policy

1 day

MRV of measures & ex-post analysis

1 day

Scenarios & Ex-ante analysis estimate

Case study : MRV for energy saving for Green freight (truck)

Case study : MRV for shift from private vehicle to public transport

Basic of Transport Data and GHG Emissions

Data and indicators

GHG calculation

GHG inventory (transport)

Specific emissions factors

Stakeholders process

1.5 -2 day

Introduction to Transport and Climate Change

Introduction to transport and climate change

International commitment to SDG goals

Mitigation actions (MA) of the transport and climate change

How to practically work on the transport and climate change mitigation actions

1 day



Component of the training course



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Module 1 : Introduction to Transport and Climate Change

- Understand and realise an importance of transport and climate change

Module 2 : Basic: Transport Data and GHG emissions

- Understand data/indicator and calculate GHG emissions of the land transport sector

Module 3 : Advance: Monitoring of the Transport Policy

- Able to Estimate potential GHG emissions reduction and monitor emissions reduction of the transport policies.



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Expected outputs



1. Training Materials (trainer and trainee)

2. Regional master trainers

3. Potential training institution partners

4. Sustainability of the training course

2



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Divide into 4 groups

1. Based on each module of this course, please discuss which stakeholders can be benefit from this training course.

Module	Stakeholders
1. Module 1: Introduction	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
2. Module 2 : Basic	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
3. Module 3 : Advance	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

5 mins

2



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Divide into 4 groups

3. From all the **data and indicators, name **3 items** that should be included in the transport training that would enhance participants' basic understanding of the trainees on the training topic. (green card) **5 mins****

2. Please name **3 barriers that prevent participants from understanding and following the content in the training course? (yellow card) **5 mins****



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2. Case study: Vehicle Kilometre Travelled (VKT) exercise*

A. Please calculate your personal VKT of your daily trip from the following url <https://goo.gl/5O4sX2>

Distance in km															
No.	Name														
		Walking	Bicycle	Private motorcycle	Motorcycle taxi	Tuk Tuk	Taxi	Song-Tsew	Public bus	Public van	Rail Transit System	Ferry	Train	Private car	
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Fill your daily trip distance in kilometer (from home to office) by each mode.

Assumption

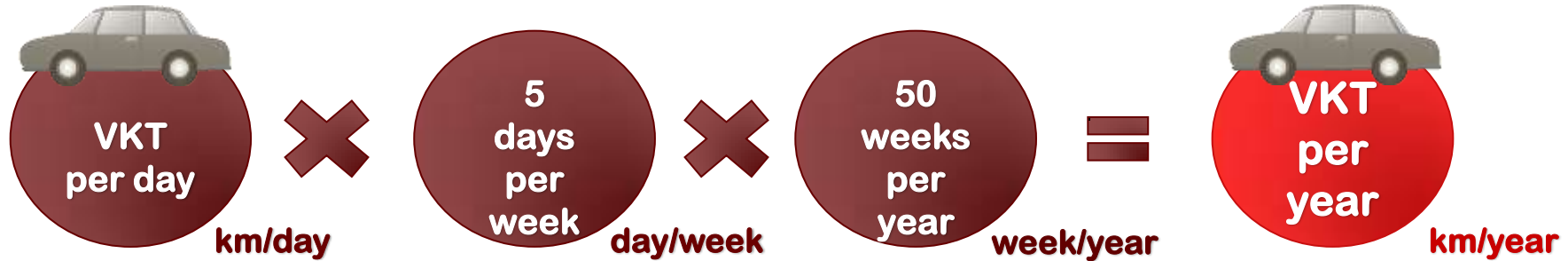
1. Distance based on rough estimation
2. Exclude Sat-Sun (non-working days) distance
3. Use only routine daily working trip

*This method is only for training purpose and might not be suitable for planning or monitoring in the national or local level

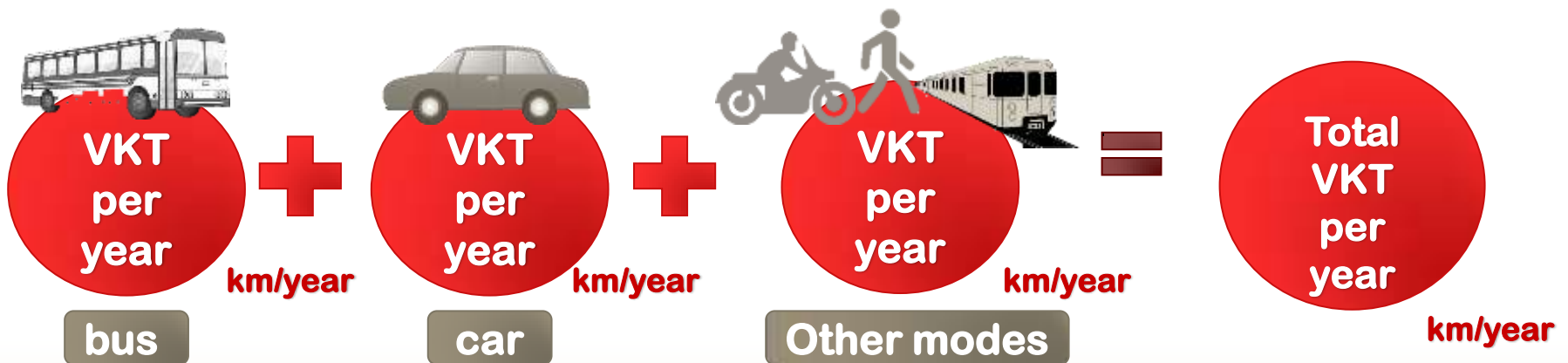




B. Calculate your VKT (per year) by mode:

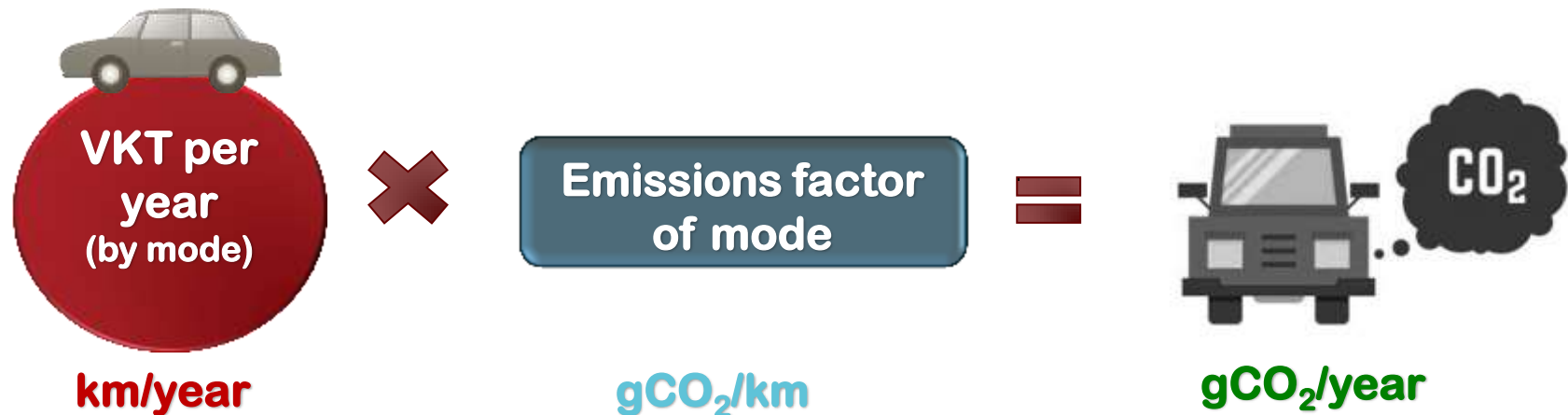


- 5 working days per week
- 50 working weeks in one year





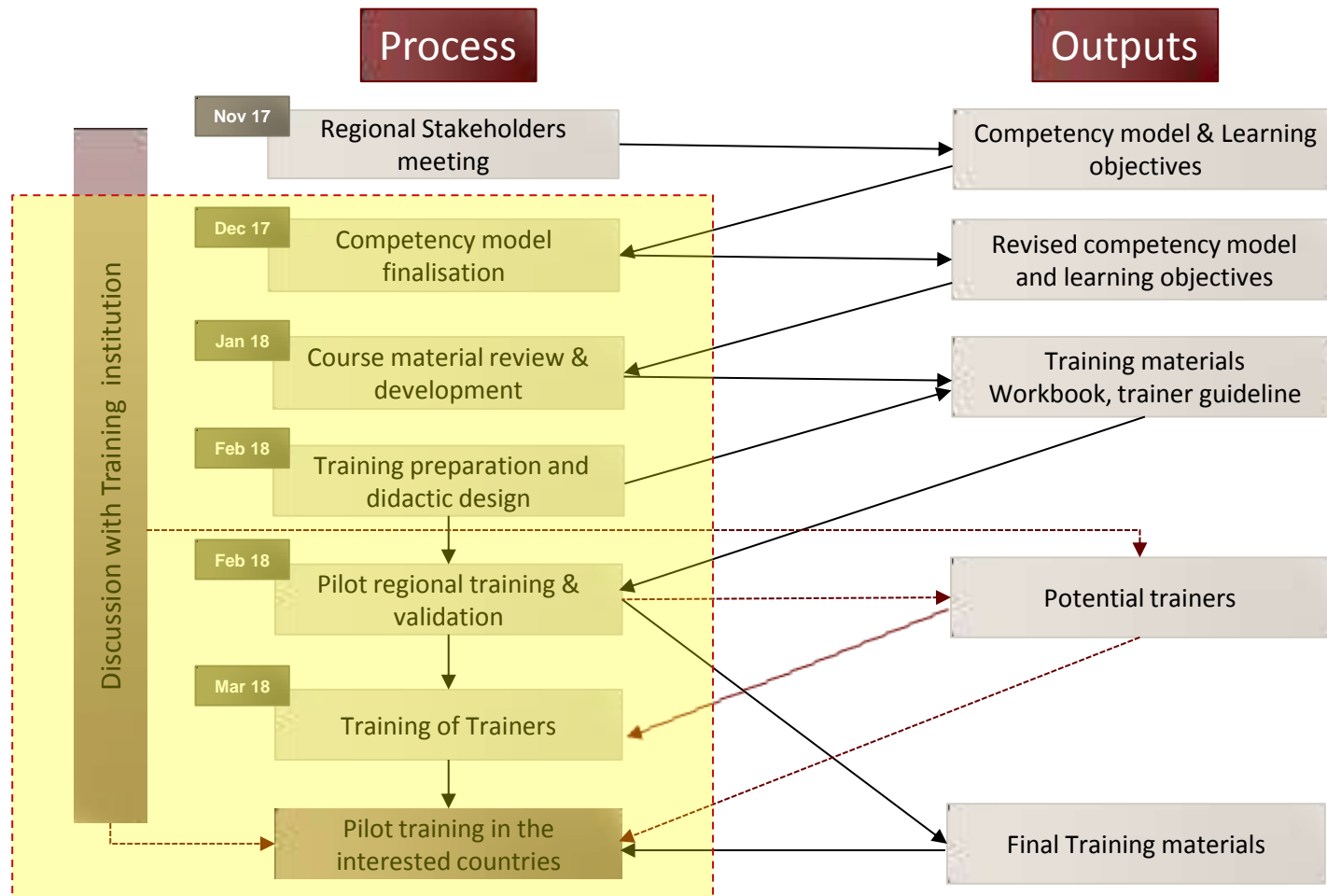
C. Calculate GHG emissions of your trip per year



Unit is the key for this calculation.



NEXT STEPS





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Thank you



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