



IEA Energy Efficiency in Emerging Economies

Energy Efficiency Policy Training Week
Programme



2-5 October 2023

DoubleTree Hilton

Jl. Pegangsaan Timur No 17
Cikini – Menteng
Jakarta 10310, Indonesia

#energyefficientworld

About the IEA

The International Energy Agency (IEA) works with policy makers and stakeholders to scale up action on energy to mitigate climate change, improve energy security and grow economies while delivering environmental and social benefits.

Energy Efficiency in Emerging Economies (E4) Programme

The IEA has supported governments of major emerging economies in advancing energy efficiency policies and programmes through the Energy Efficiency in Emerging Economies Programme (E4 Programme) since 2014. E4 works closely with six of the largest emerging economies - Brazil, China, India, Indonesia, Mexico and South Africa - as well as within regions, such as Southeast Asia, Latin America and Africa, accelerating energy efficiency.

How we work:

- *Policy development*: we support development of national strategies, targets, policies, regulations and monitoring systems.
- *Research and analysis*: we provide customised research and analysis to support and inform decision making of emerging economy officials responsible for energy efficiency policy.
- *Thematic workshops*: we bring together officials and experts from a range of countries to explore key topics and generate practical, locally-applicable solutions.
- *Capacity building*: we provide training for officials and future leaders, primarily through the E4 Training Weeks and a series of online, self-paced courses.

The first phase of the E4 Programme (2014 to 2017) was made possible thanks to the generous contributions of the Government of Denmark and the European Commission.

The second phase of the programme (commenced in 2018), is part of the IEA Clean Energy Transitions Programme (CETP), which aims to collaborate with partner country governments on all aspects of their clean energy transitions with support from a range of donors including Canada, Denmark, the European Commission, Germany, Italy, Japan, Sweden, Switzerland, and the United Kingdom.

Plenary Session: Energy Efficiency Cross-Sectoral Themes

VENUE: MAKARA BALLROOM - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

08:30 - 9:30	Participant Registration - Welcome Coffee and Tea
9:30 – 9:45	Group Photo
9:45 – 9:55	WELCOMING ADDRESS MC: Melanie Slade, IEA Welcoming Address: Mr Yudo Dwinanda Priaadi, Director General of New, Renewable Energy, and Energy Conservation, MEMR, Indonesia
9:55 – 10:10	INTRODUCTORY REMARKS David Morgado, Asian Development Bank
10:10 – 11:00	THE GLOBAL ENERGY EFFICIENCY CHALLENGE: HIGH-LEVEL PANEL Moderator: Melanie Slade, IEA HE Olivier Zehnder, Ambassador of Switzerland to Indonesia Dr. Nuki Agya Utama, Executive Director, ASEAN Centre for Energy (ACE) August Axel Zachariae, Head of Energy Cooperation, Danish Embassy in Jakarta Ianto Jones, Head of Low Carbon Energy and Infrastructure, British Embassy in Jakarta
11:00 – 11:15	ENERGY EFFICIENCY IN SOUTHEAST ASIA Natalie Kauf, IEA
11:15 – 11:25	FINANCING THE ENERGY TRANSITION IN INDONESIA Mr. Edo Mahendra, JETP Secretariat
11:25 – 11:45	FUTURE OF BUILDINGS IN ASEAN Ksenia Petrichenko, IEA
11:45 – 12:00	INTRODUCTION TO POLICY PACKAGES AND THE WEEK AHEAD Natalie Kauf, IEA and Evi Wahyuningsih
12:00 – 13:30	Lunch

Energy Efficiency in Buildings

VENUE: MAKARA 1 - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: KSENIA PETRICHENKO AND IAN HAMILTON

13:30 - 14:00 INTRODUCTORY GAME

14:00 – 15:00 **1. WHERE TO START: ENERGY USE IN BUILDINGS**
Ksenia Petrichenko and Ian Hamilton

15:00 - 15:30 Coffee and Tea Break

15:30 - 16:00 **2. WHERE TO START: ENERGY EFFICIENCY POTENTIAL IN BUILDINGS FOR NET-ZERO**
Ksenia Petrichenko

16:00 - 17:00 **3. TOOLKIT: ENERGY EFFICIENT BUILDING DESIGN**
Ian Hamilton

17:00 – 21:00 Dinner

Energy Efficiency in Buildings

VENUE: MAKARA 1 - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: KSENIA PETRICHENKO AND IAN HAMILTON

09:00 - 09:30 POEM COMPETITION, REVIEW, QUESTIONS

09:30 - 10:30 4. TOOLKIT: ENERGY EFFICIENT BUILDING TECHNOLOGIES
Ian Hamilton

10:30 - 11:00 Coffee and Tea Break

11:00 - 11:30 5. SPECIAL SESSION: DEEP DIVE ON ENERGY EFFICIENT BUILDINGS
Adrian Chong

11:30 - 12:00 TECHNOLOGIES GAME

12:00 - 13:00 Lunch

13:00 - 14:00 6. TOOLKIT: ENERGY EFFICIENCY POLICY PACKAGE
Ksenia Petrichenko

14:00 - 14:30 7. TOOLKIT: EFFICIENT GRID-INTERACTIVE BUILDINGS
Ksenia Petrichenko, Andika Akbar

14:30 - 15:00 Coffee and Tea Break

15:00 – 15:30 8. SPECIAL SESSION: DEEP DIVE ON DIGITALISATION IN BUILDINGS
Adrian Chong, Ksenia Petrichenko

15:30 - 16:30 9. MAKING IT HAPPEN: ENABLING INVESTMENT WITH ENERGY EFFICIENCY POLICIES
Cornelia Schenk

16:30 – 17:00 10. SPECIAL SESSION: FINANCING IMPLEMENTATION OF ENERGY EFFICIENCY IN BUILDINGS
Lei Zhang

17:00 – 21:00 Dinner

Energy Efficiency in Buildings

VENUE: MAKARA 1 - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: KSEНИЯ ПЕТРИЧЕНКО AND IAN HAMILTON

09:00 - 09:30 **REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS**

09:30 - 10:30 **11. DID IT WORK? EVALUATION AND ENERGY EFFICIENCY INDICATORS**
Ian Hamilton

10:30 - 11:00 Coffee and Tea Break

11:00 - 12:00 **12. SPECIAL SESSION: THE MULTIPLE BENEFITS OF ENERGY EFFICIENCY IN BUILDINGS**
Ian Hamilton

12:00 - 13:00 Lunch

13:00 - 14:00 **13. MAKING IT HAPPEN: NET-ZERO ROADMAP CREATION**
Ksenia Petrichenko and Ian Hamilton

14:00 - 14:30 **14. INTRODUCTION TO MINISTER'S GAME**
Ksenia Petrichenko, Ian Hamilton

14:30 - 15:00 Coffee and Tea Break

15:00 - 17:00 **15. MINISTER'S GAME**
Ksenia Petrichenko, Ian Hamilton and guests

17:00 – 21:00 Dinner

Energy Efficiency of Appliances and Equipment

VENUE: SUDIRMAN ROOM - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: EMILY MCQUALTER

13:30 - 14:00 INTRODUCTORY ROUNDTABLE

14:00 - 14:30 1. WHERE TO START: THE ROLE OF APPLIANCES IN THE ROAD TO NET ZERO
Melanie Slade, International Energy Agency

14:30 - 15:00 Coffee and Tea Break

15:00 - 16:00 2. TOOLKIT: APPLIANCE ENERGY EFFICIENCY POLICY OPTIONS
Emily McQualter, International Copper Association

16:00 - 16:30 3. MAKING IT HAPPEN: ASSESSING CURRENT PERFORMANCE AND SETTING MEPS
Emily McQualter, International Copper Association and Nanik Rahmawati, CLASP

16:30 - 17:00 GROUP EXERCISE

17:00 – 21:00 Dinner

Energy Efficiency of Appliances and Equipment

VENUE: SUDIRMAN ROOM - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: EMILY MCQUALTER

09:00 - 09:30 REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS

09:30 - 10:30 **4. MAKING IT HAPPEN: INSIGHTS INTO ENERGY LABELS**
Emily McQualter, International Copper Association

10:30 - 11:00 Coffee and Tea Break

11:00 - 12:00 **5. MAKING IT HAPPEN: UNDERSTANDING THE MARKET**
Emily McQualter, International Copper Association and Septia Buntara Supendi, ASEAN Centre for Energy

12:00 – 13:00 Lunch

13:00 - 14:00 **6. MAKING IT HAPPEN: INDUSTRY TRANSFORMATION AND INCENTIVES**
Melanie Slade, International Energy Agency and Kevin Tenggara, Daikin Airconditioning Indonesia

14:00 - 14:30 Coffee and Tea Break

14:30 - 15:30 **7. MAKING IT HAPPEN: STAKEHOLDER INVOLVEMENT AND COMMUNICATION**
Melanie Slade, International Energy Agency; Pongpan Vorasayan, Ministry of Energy, Thailand; Indah Sukmaningsih, Indonesia Consumers Association; and John Manoppo, Indonesian Electrical Lighting Industry Association (Aperlindo)

15:30 - 17:00 GROUP EXERCISE

17:00 – 21:00 Dinner

Energy Efficiency of Appliances and Equipment

VENUE: SUDIRMAN ROOM - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: EMILY MCQUALTER

09:00 - 09:30 REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS

09:30 - 10:30 **8. MAKING IT HAPPEN: INTRODUCTION TO COMPLIANCE**
Melanie Slade, International Energy Agency

10:30 - 11:00 Coffee and Tea Break

11:00 – 11:30 **9. MAKING IT HAPPEN: APPLIANCE ENERGY EFFICIENCY FINANCE**
Melanie Slade, International Energy Agency

11:30 - 12:00 **10. TOOLKIT: MODERNISING APPLIANCE ENERGY EFFICIENCY**
Natalie Kauf, International Energy Agency

12:00 - 13:00 Lunch

13:00 - 14:00 **11. DID IT WORK? MONITORING AND EVALUATING POLICIES AND PROGRAMMES**
Charles Michaelis, Strategy Development Solutions

14:00 - 14:30 GROUP EXERCISE

14:30 - 15:00 Coffee and Tea Break

15:00 - 16:30 GROUP EXERCISE AND PRESENTATIONS

16:30 - 17:00 **12. WHAT'S NEXT?**
Emily McQualter, International Copper Association

17:00 – 21:00 Dinner

Energy Efficiency in Industry

VENUE: MAKARA 3 - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: PATRICK CRITTENDEN

13:30 - 14:00 INTRODUCTORY ROUNDTABLE

14:00 - 14:30 1. WHERE TO START: MAKING THE CASE FOR INDUSTRIAL ENERGY EFFICIENCY POLICY
Patrick Crittenden

14:30 - 15:00 Coffee and Tea Break

15:00 - 16:00 2. WHERE TO START: MAKING THE CASE FOR INDUSTRIAL ENERGY EFFICIENCY POLICY (CONT.)
Patrick Crittenden

16:00 - 17:00 3. OVERVIEW OF ENERGY EFFICIENCY POLICY PACKAGES
Patrick Crittenden

17:00 – 21:00 Dinner

Energy Efficiency in Industry

VENUE: MAKARA 3 - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: PATRICK CRITTENDEN

09:00 - 09:30 **REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS**

09:30 - 10:30 **4. ENERGY EFFICIENCY POLICY PACKAGES: REGULATION**
Patrick Crittenden

10:30 - 11:00 Coffee and Tea Break

11:00 - 12:00 **5. ENERGY EFFICIENCY POLICY PACKAGES: INFORMATION**
Patrick Crittenden

12:00 - 13:00 Lunch

13:00 - 14:00 **6. ENERGY EFFICIENCY POLICY PACKAGES: APPROACHES TO ENERGY MANAGEMENT SYSTEMS**
Mr. Iswahyudi (General Manager, Department of Clinker and Cement Production, PT Semen Tonasa) and Patrick Crittenden

14:00 - 14:30 Coffee and Tea Break

14:30 - 15:30 **7. UNDERSTRANDING AND CONSULTING WITH STAKEHOLDERS**
Patrick Crittenden

15:30 - 17:00 **8. ENERGY EFFICIENCY POLICY PACKAGE: ENABLING INVESTMENT THROUGH INCENTIVES**
Pongpan Vorasayan, Ministry of Energy, Thailand and Patrick Crittenden

17:00 – 21:00 Dinner

Energy Efficiency in Industry

VENUE: MAKARA 3 - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: PATRICK CRITTENDEN

09:00 - 09:30 **REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS**

09:30 - 10:30 **9. SEIZING THE OPPORTUNITIES OF ELECTRIFICATION IN INDUSTRY**
Patrick Crittenden

10:30 - 11:00 Coffee and Tea Break

11:00 - 12:00 **10. LEVERAGING DIGITAL TECHNOLOGIES**
Patrick Crittenden

12:00 - 13:00 Lunch

13:00 - 14:30 **11. WHAT ARE THE STEPS? POLICY PACKAGE DESIGN EXERCISE**
Patrick Crittenden

14:30 - 15:00 Coffee and Tea Break

15:00 - 16:00 **12. DID IT WORK? INDICATORS, EVALUATION AND SCALING UP PROGRAMMES**
Patrick Crittenden,

16:00 - 17:00 **13. REVIEW: ROUNDTABLE DISCUSSION ON APPLICATION CHALLENGES AND THE DEVELOPMENT OF ACTION PLANS**
Patrick Crittenden,

17:00 – 21:00 Dinner

Energy Efficiency Transport

VENUE: THAMRIN ROOM - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEADS: ALISON PRIDMORE AND IAN SKINNER

13:30 – 14:00 INTRODUCTORY ROUNDTABLE

14:00 – 14:30 1. WHERE TO START: ENERGY USE IN TRANSPORT
Alison Pridmore and Ian Skinner

14:30 - 15:00 Coffee and Tea Break

15:00 - 15:30 2. TOOLKIT: VEHICLE ENERGY EFFICIENCY POLICY PACKAGE
Natalie Kauf

15:30 - 16:30 3. MAKING IT HAPPEN: DEVELOPING FUEL ECONOMY STANDARDS
Alison Pridmore and Ian Skinner
Guest speaker: Kathleen Dematera Contreras, Urban Electric Mobility Initiative, UEMI

16:30 - 17:00 GROUP EXERCISE

17:00 - 21:00 Dinner

Energy Efficiency in Transport

VENUE: THARMIN ROOM - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: ALISON PRIDMORE

09:00 – 09:30 **REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS**

09:30 – 10:30 **4: MAKING IT HAPPEN: VEHICLE TESTING, MONITORING AND EVALUATION**
Alison Pridmore and Ian Skinner

10:30 – 11:00 Coffee and tea break

11:00 – 12:00 **5: MAKING IT HAPPEN: DEEP DIVE INTO TRUCK FUEL ECONOMY STANDARDS**
Alison Pridmore and Ian Skinner

12:00 – 13:00 Lunch

13:00 – 14:30 **6: MAKING IT HAPPEN: INCENTIVES**
Alison Pridmore and Ian Skinner

14:30 – 15:00 Coffee and tea break

15:00 – 15:45 **7. MAKING IT HAPPEN: INFORMATION**
Alison Pridmore and Ian Skinner

Guest speaker: Kathleen Dematera Contreras, UEMI

15:45 – 17:00 **GROUP EXERCISE**

17:00 – 21:00 Dinner

Energy Efficiency in Transport

VENUE: THAMRIN ROOM - JL. PEGANGSAAN TIMUR NO 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEAD: ALISON PRIDMORE

09:00 – 09:30 **REVIEW: WHAT WE SAW AND LEARNED YESTERDAY AND QUESTIONS**

09:30 – 10:30 **8. MAKING IT HAPPEN: THE ROLE OF ELECTRIFICATION IN DRIVING FORWARD EFFICIENCY**

Alison Pridmore and Ian Skinner

Guest speaker: Aditya Mahalana, International Council on Clean Transportation, ICCT

10:30 – 11:00 Coffee and Tea Break

11:00 – 12:00 **9. TOOLKIT: BEST PRACTICE FOR TWO-WHEELER ELECTRIFICATION**

Ian Skinner and Alison Pridmore

Guest speaker: Kathleen Dematera Contreras, UEMI

12:00 – 13:00 Lunch

13:30 - 14:15 **10. TOOLKIT: BEST PRACTICE FOR BUS ELECTRIFICATION**

Alison Pridmore and Ian Skinner

Guest speakers: Aditya Mahalana and Adhi Triatmojo, ICCT

14:15 – 14:45 **11. TOOLKIT: FINANCING VEHICLE EFFICIENCY**

Alison Pridmore

14:45 - 15:15 Coffee and Tea Break

15:15 - 16:30 **GROUP EXERCISE**

16:30 - 17:00 **12. NEXT STEPS**

Alison Pridmore and Ian Skinner

17:00 - 21:00 Dinner

Energy Efficiency Indicators and Evaluation

VENUE: MAKARA 2 - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEADS: CHARLES MICHAELIS

13:30 - 14:00 INTRODUCTORY ROUNDTABLE

14:00 - 14:45 1. WHERE TO START: INTRODUCTION TO KEY MONITORING AND EVALUATION CONCEPTS
Charles Michaelis

14:45 - 15:15 Coffee and Tea Break

15:15 - 16:00 2. TOOLKIT: ENERGY BALANCES AS A FIRST TOOL FOR INFORMING POLICIES
Charles Michaelis

16:00 - 16:30 3. CASE STUDY - POME

16.30 - 17.00 4. USING INDICATORS AND EVALUATION IN POLICYMAKING
Charles Michaelis

17:00 - 21:00 Dinner

Energy Efficiency Indicators and Evaluation

VENUE: MAKARA 2 - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEADS: CHARLES MICHAELIS AND NATALIE KAUF

09:00 - 09:30 **REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS**

9:30 - 11:00 **5. INTRODUCTION TO THEORIES OF CHANGE**
Natalie Kauf

11:00 - 11:30 Coffee and Tea Break

11:30 - 12:00 **GROUPS PRESENT THEORIES OF CHANGE**

12:00 - 13:00 Lunch

13:00 - 14:30 **6. TOOLKIT: ENERGY EFFICIENCY INDICATORS**
Charles Michaelis

14:30 - 15:00 **7. TOOLKIT; MULTIPLE IMPACTS OF ENERGY EFFICIENCY**
Natalie Kauf

15.00-15.30 **8. TOOLKIT: DEVELOPING POLICY AND PROGRAMME INDICATORS**
Charles Michaelis

15:30 - 16:00 Coffee and Tea Break

16:00 - 16:30 **9. CASE STUDY: EVALUATION OF THAILAND'S HIGH EFFICIENCY PERFORMANCE STANDARDS**
Dr Pongpan Vorasayan

16.30 - 17.00 **10. ACTIVITY: IDENTIFY INDICATORS FOR CASE STUDY**

17:00 - 21:00 Dinner

Energy Efficiency Indicators and Evaluation

VENUE: MAKARA 2 - JL. PEGANGSAAN TIMUR No 17, CIKINI – MENTENG, JAKARTA 10310, INDONESIA

LEADS: CHARLES MICHAELIS AND NATALIE KAUF

09:00 - 09:45 **REVIEW: WHAT WE LEARNED YESTERDAY AND QUESTIONS**

09:45 - 10:30 **11. WHAT ARE THE STEPS: HOW TO TELL IF YOUR POLICY MADE A DIFFERENCE**
Charles Michaelis

10:30 - 11:00 Coffee and Tea Break

11:00 - 12:00 **12. WHAT ARE THE STEPS: DEVELOPING EVALUATION QUESTIONS**
Charles Michaelis

12:00 - 13:00 Lunch

13:00 - 14:30 **13. ACTIVITY: DEVELOPING A MONITORING, EVALUATION AND LEARNING (MEL) FRAMEWORK**
Natalie Kauf

14:30 - 15:00 Coffee and Tea Break

15:00 - 15:45 **14. ACTIVITY: GROUP REPORTING OF MEL FRAMEWORKS.**

15:45- 16:15 **15. NEXT STEPS: USING INDICATORS AND EVALUATION**
Charles Michaelis

16.15 - 16.45 **16. WHERE TO GET HELP: ADDITIONAL RESOURCES AND ASPECTS TO TAKE INTO ACCOUNT IN MONITORING AND EVALUATION**
Charles Michaelis and Natalie Kauf

16:45 - 17:00 **17. FEEDBACK ON COURSE AND CLOSE**
Charles Michaelis and Natalie Kauf

17:00 - 21:00 Dinner

Making More Energy Efficiency Happen

VENUE: MAKARA BALLROOM -G

09:00 - 09:30

SECTOR STREAMS REPORT BACK ON KEY LESSONS

Patrick Crittenden

09:30 - 10:30

COMMUNICATION STRATEGIES TO SUPPORT ENERGY EFFICIENCY GOALS

Melanie Slade and Charles Michaelis

10:30 - 10:45

Coffee and Tea Break

10:45- 12:00

GROUP PROJECT

Natalie Kauf and Patrick Crittenden

12:00 - 13:00

Lunch

13:00 - 13:30

GROUP PROJECT

Natalie Kauf and Patrick Crittenden

13:30 – 14:30

PRESENTATION OF GROUP PROJECTS

Melanie Slade

14:30 - 15:00

CLOSING REMARKS & AWARDS

Brief remarks by Aang Harmawan, UNOPS-ETP followed by closing remarks by Gigih Udi Atmo, Director of Energy Conservation, MEMR

15:00 – 16:00

CERTIFICATES AND CONCLUSION

16:00

Coffee and Tea Networking

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