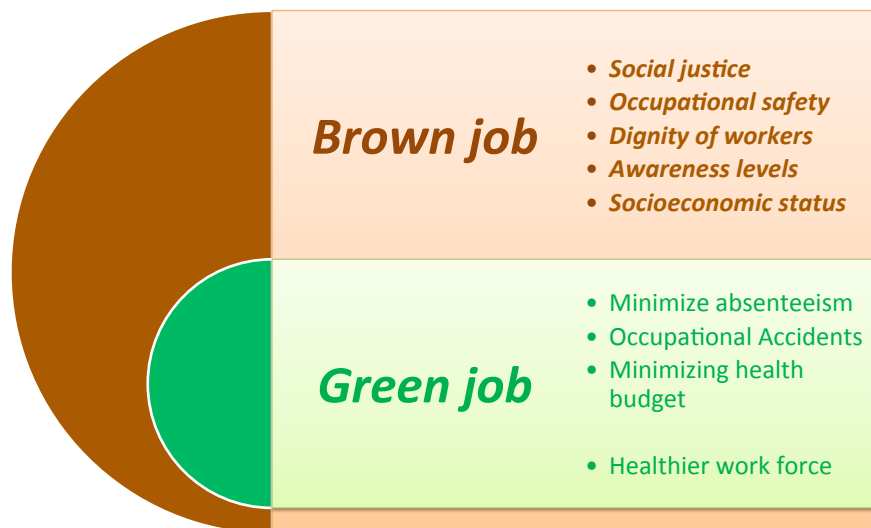


GREEN JOBS ASIA PROJECT IMPLEMENTATION NIOSH – TVEC Sri Lanka

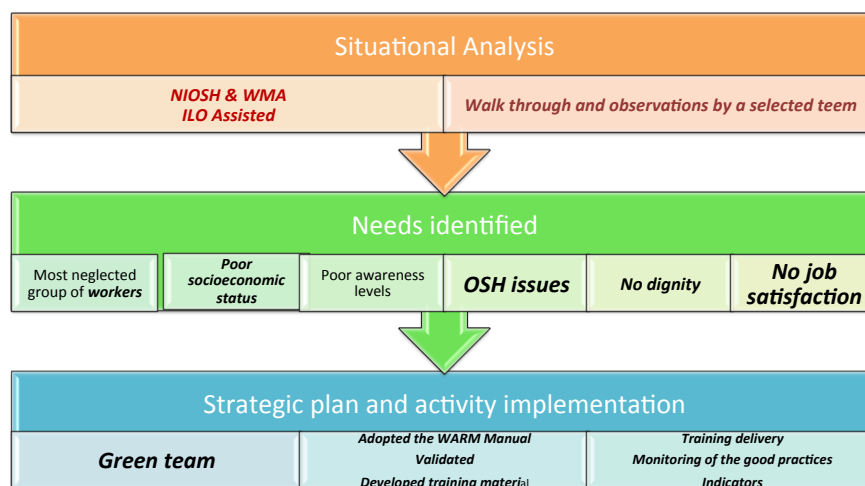
Dr. Champika Amarasinghe
Director General , NIOSH
(MD, MSc, MMed, DOSH)

Mr. Priyantha Jayathilaka
Director Training
T VEC

Challenge



Strategies adopted



Formation of a green team in NIOSH and WMA

- An awareness seminar was organized by the ILO with the participation of constituents such as;
 - Government participants
 - Employers – local authorities
 - Employee organizations

Working group - Green team was formed

Decision maker - Steering committee was formed with tripartite constituents

Phase 1

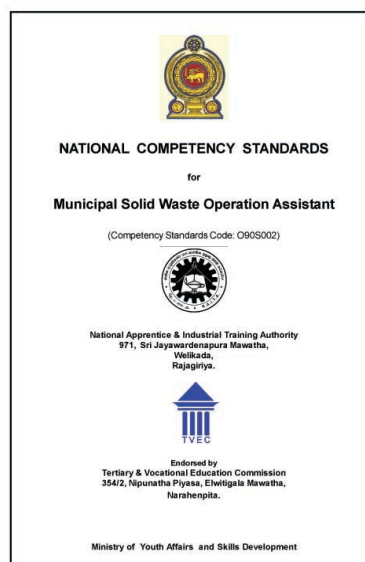


*Stakeholders
NIOSH, WMA,
TVEC, employees,
and community*

*WARM manual –
adopted,
translated to
Sinhalese & Tamil
and printed*

*WARM manual
validation
considering the
consensus of the
tripartite
constituents,
NIOSH, WMA, ILO,
TVEC*

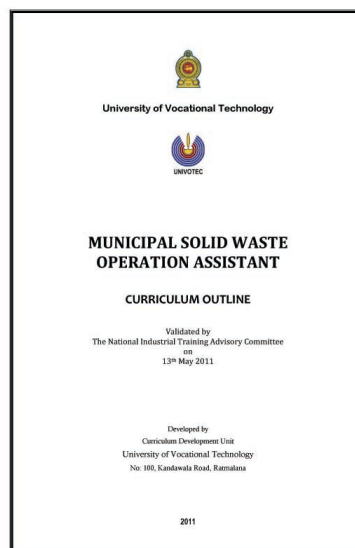
NATIONAL COMPETENCY STANDARD



NATIONAL COMPETENCY STANDARD



CURRICULUM WAS DEVELOPED



CURRIULUM

COMPETENCY AREA	COMPETENCIES				
Promote solid waste minimization and reuse	Distribute promotional material (leaflets, posters, stickers / labels) for awareness of solid waste generators	Provide verbal instructions to solid waste generators	Monitor the progress of solid waste reduction and reuse	Provide feedback and suggestions to supervisor	
Promote segregation of solid waste at source	Assist supervisor in conducting survey	Demonstrate segregation of solid waste including recyclable items at source	Demonstrate (home) composting methods	Monitor progress of application of segregation & composting	Provide feedback to the supervisor on the progress of application of segregation and composting
Collect and transport solid waste	Assist supervisor in preparing schedules	Collect solid waste	Coordinate with other waste collectors & transporting network	Transport solid waste	Clean vehicle, tools / equipment and self
Treat biodegradable solid waste	Separate solid waste	Make compost using degradable solid waste	Maintain biogas unit		

Treat non-biodegradable solid waste	Further segregate non-biodegradable solid waste	Segregate glass wares	Segregate plastics & polythene	Segregate papers and cardboard	Clean reusable / recyclable items
Dispose of residues (final disposal)	Collect residues	Assist to transport residues	Assist to dispose of residues		
Maintain environment cleanliness	Maintain road cleanliness	Assist to eliminate illegal dumping and open burning	Remove unauthorized / outdated advertising material	Assist to improve public awareness & maintain public relation	

Adequacy matrix of the WARM manual on training of Municipal Solid Waste Operations Assistant - curriculum

Module/task		Questionnaire	Page 1-27
Promote solid waste minimization & reuse (A)	Distribute promotional materials (leaflets, posters, stickers, labels) for awareness of solid waste generators		9-11
	Provide verbal instructions to solid waste generators	Q9, Q10, Q11	
	Monitor the progress of solid waste reduction & reuse	Q6	6
	Provide feedback & suggestions to supervisors		
Promote segregation of solid waste at source (B)	Assist supervisor in conducting survey		
	Demonstrate segregation of solid waste including recyclable items at source		5
	Demonstrate (home) composting methods		5
	Monitor progress of application of segregation & composting		
	Provide feedback to the supervisor on the progress of application of segregation & composting		

Adequacy matrix of the WARM manual on training of Municipal Solid Waste Operations Assistant - curriculum

Module/task		Questionnaire	Page 1-27
Collect & transport solid waste ©	Assist supervisor in preparing schedules	Q2	2
	Collect solid waste	Q1, Q18	1,19
	Coordinate with other waste collectors & transporting network	Q5,Q19,Q20	5
	Transport solid waste	Q3,Q4,Q12,Q13,Q14,Q15,Q16,Q17	3-4,13-18,20
	Clean vehicle, tools/equipment & self	Q21,Q22	21-23
Treat biodegradable solid waste (0)	Separate solid waste		
	Make compost using degradable solid waste		
	Maintain biogas unit		
Treat non- biodegradable solid waste (E)	Further segregate non bio degradable solid waste	Q7	7
	Segregate glassware	Q8,Q7	7-8
	Segregate plastics & polythene	Q7	7
	Segregate papers & cardboard	Q7	7
	Clean reusable / recyclable items	Q7	7

Adequacy matrix of the WARM manual on training of Municipal Solid Waste Operations Assistant - curriculum

	Module/task	Questionnaire	Page 1-27
Dispose of residues (final disposal) (F)	Collect residues		
	Assist to transport residues	Q19	
	Assist to dispose of residues		
Maintain environment cleanliness (G)	Maintain road cleanliness	Q11	1
	Assist to eliminate illegal dumping & open burning		
	Remove unauthorized / outdated advertizing materials		
	Assist to improve public awareness & maintain public relations	Q1,Q11	1,12

TO BE ADDED TO WARM

- **Monitor progress of application of segregation & composting**
- **Provide feedback to the supervisor on the progress of application of segregation & composting**
- **Separate solid waste**
- **Make compost using degradable solid waste**
- **Maintain biogas unit**
- **Collect residues**
- **Assist to dispose of residues**
- **Assist to eliminate illegal dumping & open burning**
- **Remove unauthorized / outdated advertizing materials**

AFTER TRAINING

- Demonstrate safe-working practices at all times;
- Communicate information about processes, events or tasks being undertaken to ensure a safe and efficient working environment;
- Take responsibility for the quality of his / her own work;
- Plan tasks in all situations and review task requirements as appropriate;
- Perform all tasks in accordance with standard operating procedures;
- Perform all tasks to specification;
- Use accepted techniques, practices, processes and workplace procedures

Phase 2

Based on the standard developed by the TVEC WARM manual was validated and the curriculum was developed for TOT's in 7 provincial authorities

Training material development by the trainers, translated into native language

Further development of the training material using the experts inputs

Phase 3 Seven TOT's were done by the trainers who have been trained by the ILO expert

Phase 3

- participants – Worker leaders
 - Government officials such as PHI, local authority officials



Phase 4

- 48 cascading training sessions were conducted by the NIOSH Green team and the WMA green team
- - Waste handlers, truck drivers, waste sorters, waste collectors, and participants from the community
- - no of beneficiaries - 4000

Type of the training

- Given inputs based on the validated WARM manual
- Group work & Discussions
- Assessed the – excising working practices
 - - lessons learned by the training
 - - Working environmental conditions
 - - there need for future working practice improvements

Employer awareness

- Meeting with the authorities
- Based on the inputs given by the workers 48 provincial council authorities were made aware about the unidentified needs – PPE and first aid boxes were given
- Consensus from the provincial council authorities
 - requested a OSH guideline for future improvements
- Developed an OSH guideline

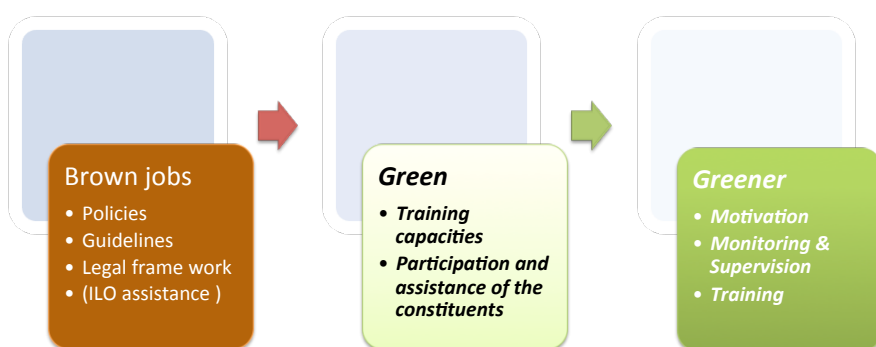


Project out come

- Based on the following indicators
 - 48% worker absenteeism was reduced within 2 months
 - 30% of the occupational accidents reduced
 - Knowledge on PPE was increased and they used the given PPE

- Advanced training – TVEC & UNIVOTEC
- Economic & productivity improvements – EFC
- Social justice & conducive policy – ILO & MOLR

Way Forward of green jobs



WAY FORWARD

- MUNICIPAL COUNCILS 18
- URBAN COUNCILS 41

ONE MUNICIPAL COUNCIL ALREADY HAS
REGISTERED WITH TVEC AND AWAITING
ACCREDITATION

11 QUALIFIED ASSESSORS

CHANGE THE NAME WASTE COLLECTOR → SWOA

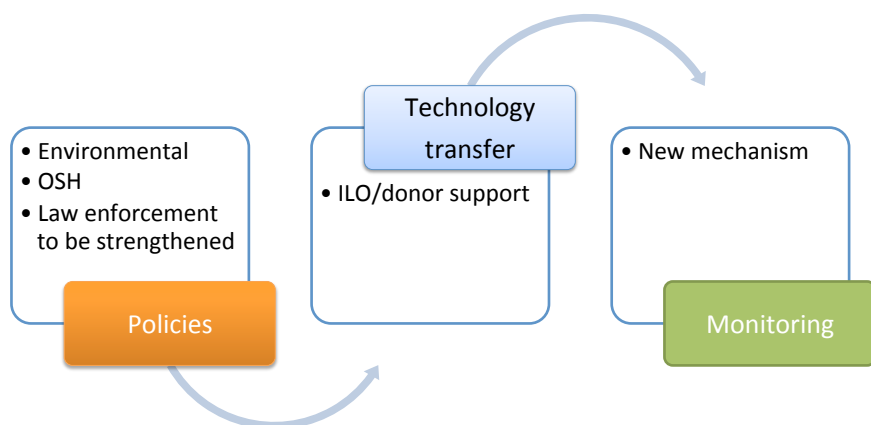
WAY FORWARD

- 40 CERTIFICATES ISSUED FOR SWOA IN
NORTH CENTRAL PROVINCE
- NEXT YEAR – EASTERN PROVINCE
- DEVELOP VET PLAN FOR ENVIRONMENT SECTOR
 - OCCUPATIONS & NUMBERS
 - TRAINING DEMAND & SUPPLY

↓

 - NCS & CURRICULA
 - NEW TRAINING FACILITIES

GREENING SRI LANKA



• THANK YOU