

Water and Environment Support

in the ENI Southern Neighbourhood region

Contribution to the development of a joint public-private road map to effectively recycle plastic polymers in Israel (N-E-IL-P1)

Consultation Workshop
Mid- and Long-term actions

8 April 2024
Online



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Consultation Workshop

General framework of the activity
Presentation of the WES national activity

Presented by: Mr Tom Clark,



Main objective



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The objective of the activity is to enhance the management of plastic products in the country by taking measures specific to plastic polymers that are disruptive to the sorting and recycling process*.

*Includes oxy-degradable, biodegradable, compostable, multilayer packaging, additives



Tasks and deliverables



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Tasks	Deliverables
<p>Task 0: Kick-off meeting</p> <p>Task 1: Evaluating current practices and future trends in the plastics market regarding focus polymers and the difficulties created by these polymers to the sorting and recycling processes</p>	<p>D1. Inception Report presenting the current situation, including readily available information and the results of the consultation.</p>
<p>Task 2: Preparing policy recommendations and a road map based on a comparative study of redesign, sorting and recycling techniques, BATs and BREFs, international and EU policies</p>	<p>D2. A review of international and EU best practice in tackling the problem and comparison with the situation in Israel; including recommendations on materials proposed for restriction or bans or other measures.</p>
<p>Task 3: Sharing recommendations</p>	<p>D3. Consultative report shared with key stakeholders</p> <p>D4. Adapted/Updated report based on feedback</p>
<p>Task 4: Drafting a roadmap</p>	<p>D5. A joint public-private roadmap towards addressing plastic polymers in Israel is proposed</p>
<p>Task 5: Conduct a consultation meeting to discuss the draft roadmap towards curbing the use of polymers</p>	<p>D6. The roadmap is presented and discussed with the stakeholders. Policy measures and recommendations are discussed, prioritized and eventually agreed, finalizing the roadmap</p>
<p>Task 6: Compile a synthesis report</p>	<p>D7. Synthesis Report (progress, outputs and outcomes, lessons learned)</p>



Action plan of the activity

Task	M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12
Task 0: Kick-off meeting	X	X										
Task 1: Evaluating the current practices and future trends in the plastics market regarding focus polymers and the difficulties created by these polymers to the sorting and recycling processes												
Task 2: Preparing policy recommendations and a road map based on a comparative study of redesign, sorting and recycling techniques, BATs and BREFs, international and EU policies					X							
Task 3: Sharing recommendations						X						
Task 4: Drafting a roadmap										X		
Task 5: Conduct a consultation meeting to discuss the draft roadmap towards curbing the use of polymers											O	X
Task 6: Compile a synthesis note on the activity												X

X : Submission of deliverables

KO Meeting was on 21 July 2022; Inception Report delivered February 2023, Task 2 Report July 2023





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Thank you for your attention!





Contribution to the development of a joint public-private road map to effectively recycle plastic polymers in Israel (N-E-IL-P1)

Consultation Workshop

WES Video on Plastic Pollution and Single-Use Plastics (SUPs)

Presented by: Ms Lisa PAPADOGEOGAKI,
WES Key Expert Communication and Networking





Communication





WES Communication Tools




- Press Release/Announcement
- Newsletter
- Information Bulletin
- Social Media Posts
- Website Posts/Data
- Photos
- Video





WES Video

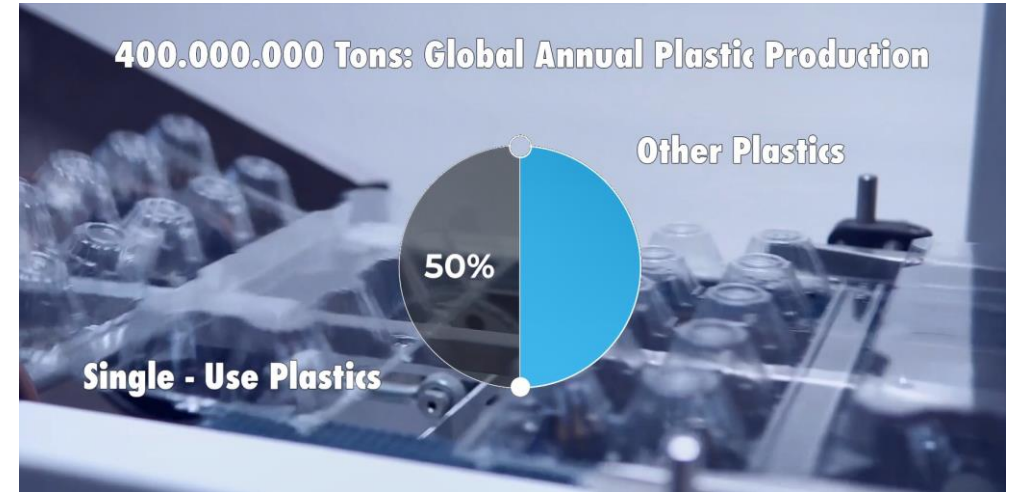


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 The WES video “Plastic Pollution and single-use plastics (SUPs)” includes a short version that primarily targets the general public in PCs and a long version directed at various stakeholders relevant to plastics pollution engaged or targeted in project work.

 The video is expected to contribute to an improved understanding of the impacts of the use of SUPs and the benefits of relevant measures but also to stimulate and guide target audiences on how they can contribute to addressing the problem.

 The video was developed in close collaboration with leading technical experts in the field. All versions of the video with subtitles in English, French, or Arabic are accessible via the WES YouTube page and website. [Video link](#)



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Contribution to the development of a joint public-private road map to effectively recycle plastic polymers in Israel (N-E-IL-P1)

Consultation Workshop

Presentation and discussion

Mid- and long-term actions in the Israeli recycling market and industry; Stakeholders recommendations

Presented by: Mr Noam Van der Hal



COMPARATIVE STUDY: TABLE OF CONTENTS



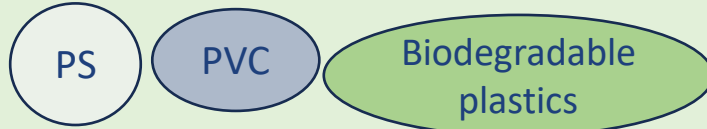
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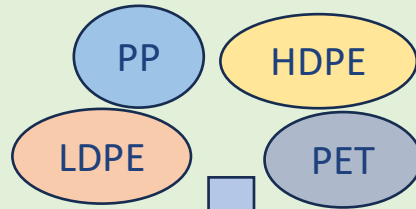
INTERVIEW CONCLUSIONS



Not substantial for Circular Economy (CE)



Most substantial for Circular Economy (CE)

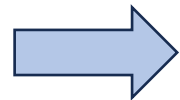


How to approach CE policy with these plastic types (and additives) in Israel?

Does degradable plastic harm a full CE?



What are the effects of plastic paints, and chemical additives on the quality of circular recycled plastic in Israel?



More Study is needed:

- Volume and effect of degradable plastic
- % of degradable for SUPs consumption
- The possibility to ban PS from consumption
- Eliminate biodegradable? Is it possible regulation-wise? If found recommended.

The Interviews recommendations

- Most feasible to compare international information about adaptable policies of degradable plastic including regulations and recycling methods.
- More information is needed to understand the impacts of eliminating or banning the usage of plastic types, degradable, additives, and perhaps specific colour paints for the different streams of plastic types.
- Consider the side effects on companies in Israel that produce degradable plastics. Invest in technology.

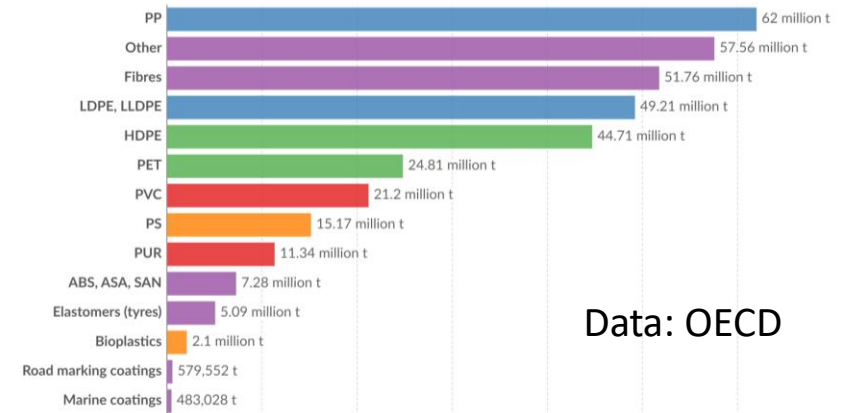


IMPLEMENTING CONCLUSIONS FOCUSING ON OLEFINS

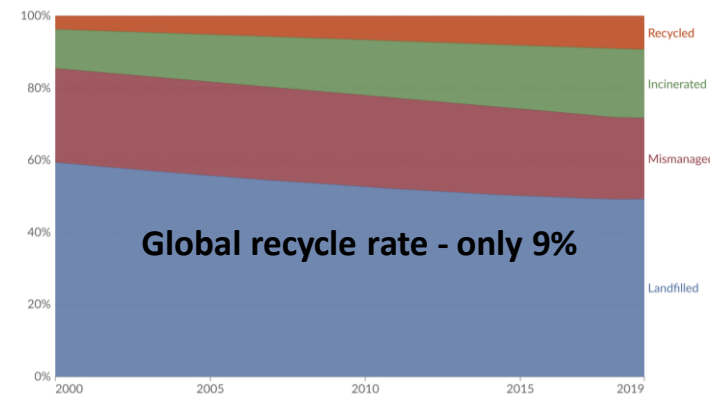


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- Over 100 countries adopt plastic legislative and policy instruments.
- Given the scale of the plastics problem, policies remain inadequate for the challenge.
- Bans have been effective where affordable alternatives are available.
- A DRS (Deposit Return Scheme – פיקדון) is potentially feasible but only used for PET bottles.
- Taxes and levies can be applied if administrative arrangements are established.
- EPR (extended producer responsibility) systems for take-back and recycling can be developed if infrastructure, organizational and financial arrangements are in place.
- **All approaches are feasible in Israel, but the social, economic, and political factors presents challenges for reducing and recycling.**



Olefins are most used and recyclable plastic
(Green > Blue > Velvet > Orange > Red)
Recyclability effort from Green to Red



COMPARISON WITH ISRAEL



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- 95% of the Israeli population uses SUPs
- Five times more than the European average
- Annual population growth in Israel is the world's highest, with an average of 2.3%
- Israel may be defined as an "island" with rather limited market for plastics in its neighbourhood

USE OF OLEFIN PLASTICS

- Interviews pointed out the economic model for olefin plastic (together with PET)
- The usage of olefins was found to be the highest of all plastic types.
- Sorting facilities have a 100% technological capability to sort any plastic type in demand.

Plastic management needs to function accordingly



CONCLUSIONS



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- 1. Harmonisation of plastic types*
- 2. Achieving full recycling and circular economy in Israel*
- 3. Further developing the 'Cleanliness Trust' for technology, education, and circular economy*
- 4. Following the 3Rs principle*
- 5. Consideration of life cycle assessment results*
- 6. Production and product recycling facilities*



Public and municipalities cooperation is highly important to make circular economy plastic materials work successfully



RECOMMENDATIONS



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- 1. Design and create mono-material as a service, not a product*
- 2. Banning and limitation of products and plastic types*

Products

Plastic types

- 3. Circular economy and Health*



KEY QUESTIONS FOR ROADMAP DISCUSSION



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Please click here to fill in an online questionnaire (*as shown below*) so we can collect your feedback as a stakeholder on developing the road map

	If a support* will be given, a roadmap should lead to:	Response possibility 1	Response possibility 2	Response possibility 3	Response possibility 4	Response possibility 5
1.	Ban polystyrene and bioplastic**	Agree on both types	Only PS	Only bioplastic	Only SUP products	Won't happen
2.	Ban particular products instead of types of plastic	Reduce plastic towards a full circular economy		Ban stirrers and straws	Use standards for a better management	
3.	Use bioplastics in events where composting is managed	Start there and increase bioplastics usage		Start there and decrease bioplastic usage		Do not agree at all
4.	As goal to reach a full plastic circular economy system	Build a strategy to manage the swift		Only with a strong bussiness case		Won't happen, Israel is too small and isolated
5.	Use monomaterial	In every product possible		Economy does its work		Bad idea
6.	Control and regulate additives	Most important, change standard accordingly		Not familiar with the problem		Additives are of no concern
7.	Create recycling facility behind every factory that uses plastic	Best idea	Start with glass and paper	No business case	Only in very big factories	Bad idea

* Includes financial, regulatory, communication, etc.

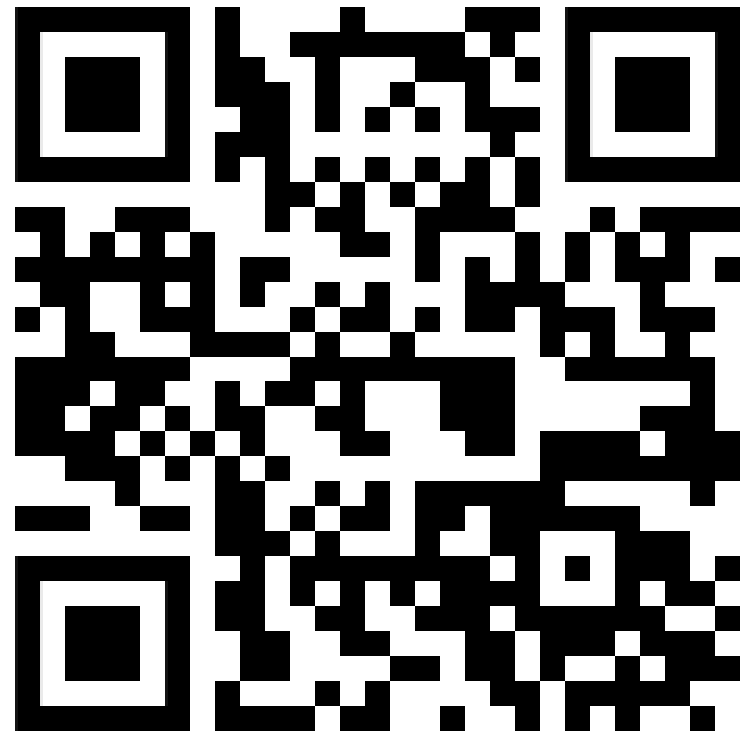
** Only bioplastics that influence recycling quality



המון תודה



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Thank you very much



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