



**UNODC**

United Nations Office on Drugs and Crime

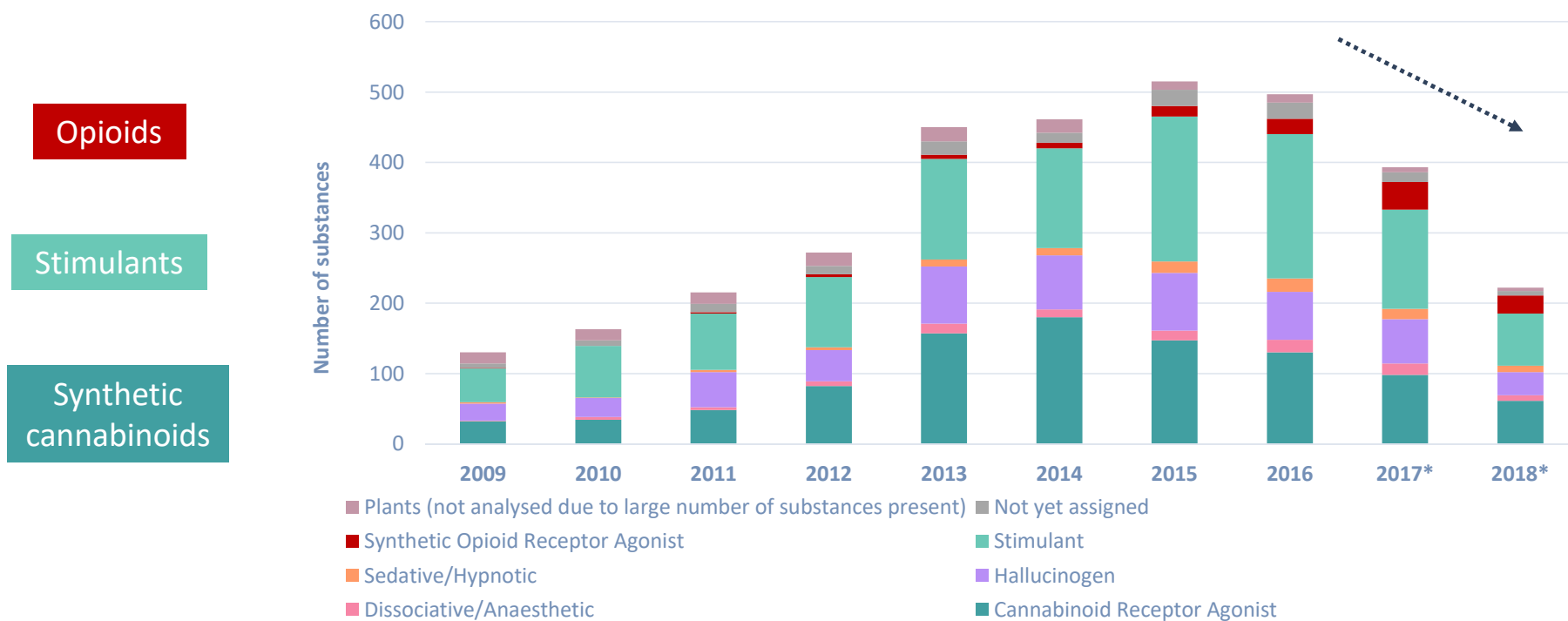
# Update on Emerging Substances of Abuse

Dr. Justice Tettey

Chief

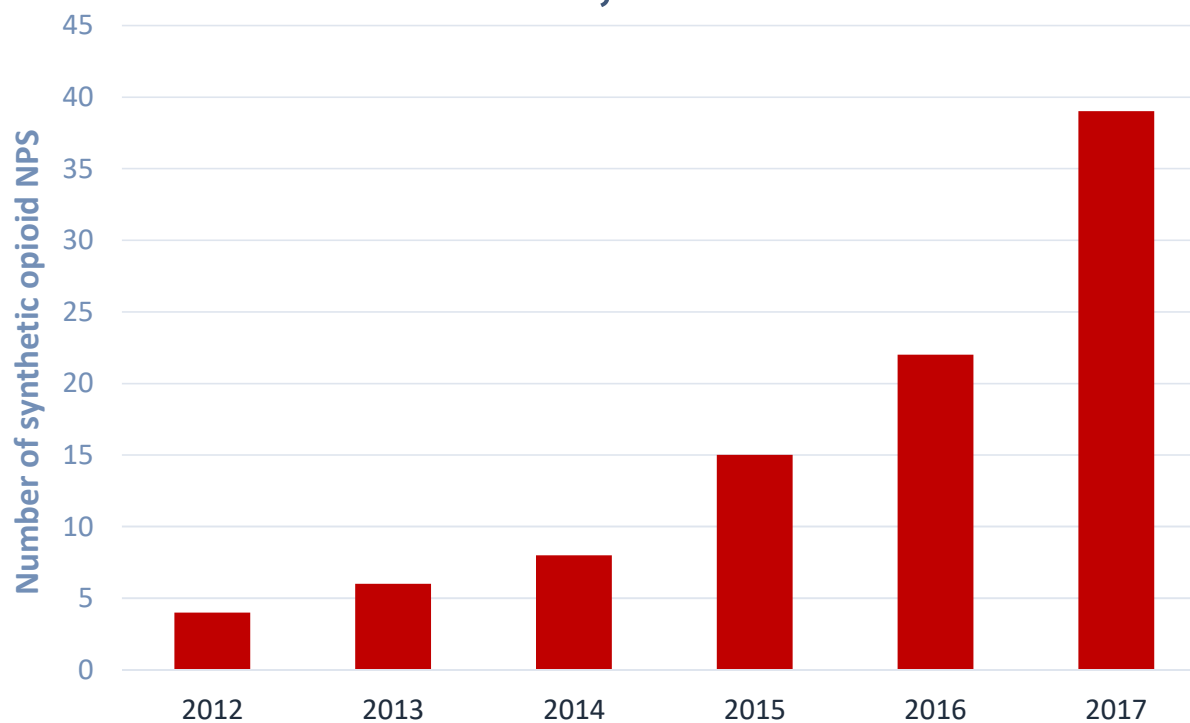
Laboratory and Scientific Section

## Persistence and change: Shift of the innovation dynamics of NPS towards opioids



## Emergence of Synthetic Opioids

### High potential harm: emergence of NPS with opioid effects, 2012-2017



Source: UNODC Early Warning Advisory (EWA) on New Psychoactive Substances (NPS), June 2018.  
Data for 2017 are preliminary.

# Response to the most persistent and prevalent NPS

## Top UNODC EWA substances reported in...

2015	2016	2017
MDMB-CHMICA	5F-MDMB-PINACA	5F-MDMB-PINACA
$\alpha$ -PVP	AB-CHMINACA	U-47700
25I-NBOMe	MDMB-CHMICA	$\alpha$ -PVP
25B-NBOMe	Ephylone	FUB-AMB
25C-NBOMe	FUB-AMB	Ephylone
Ethylone	4-CMC	ADB-FUBINACA
AB-CHMINACA	4'-Cl- $\alpha$ -PPP	4-Cl- $\alpha$ -PVP
5F-APINACA	5-MeO-MIPT	N-ethylhexedrone
4-CMC	bk-DMBDB	Ketamine
DOC	Ketamine	bk-DMBDB

# Response to the most persistent and prevalent NPS

## Top UNODC EWA substances reported in...

2015	2016	2017
MDMB-CHMICA	5F-MDMB-PINACA	5F-MDMB-PINACA
$\alpha$ -PVP	AB-CHMINACA	U-47700
25I-NBOMe	MDMB-CHMICA	$\alpha$ -PVP
25B-NBOMe	Ephylone	FUB-AMB
25C-NBOMe	FUB-AMB	Ephylone
Ethylone	4-CMC	ADB-FUBINACA
AB-CHMINACA	4'-Cl- $\alpha$ -PPP	4-Cl- $\alpha$ -PVP
5F-APINACA	5-MeO-MIPT	N-ethylhexedrone
4-CMC	bk-DMBDB	Ketamine
DOC	Ketamine	bk-DMBDB

### Key

International control

ECDD List – review

# NPS considered at 41st WHO ECDD Meeting

## **Fentanyl analogues**

- Cyclopropylfentanyl
- Methoxyacetylfentanyl
- Ortho-fluorofentanyl (2-Fluorofentanyl)
- Parafluoro butyrfentanyl (4-Fluorobutyrfentanyl)
- Paramethoxybutyrfentanyl (4-Methoxybutyrfentanyl)

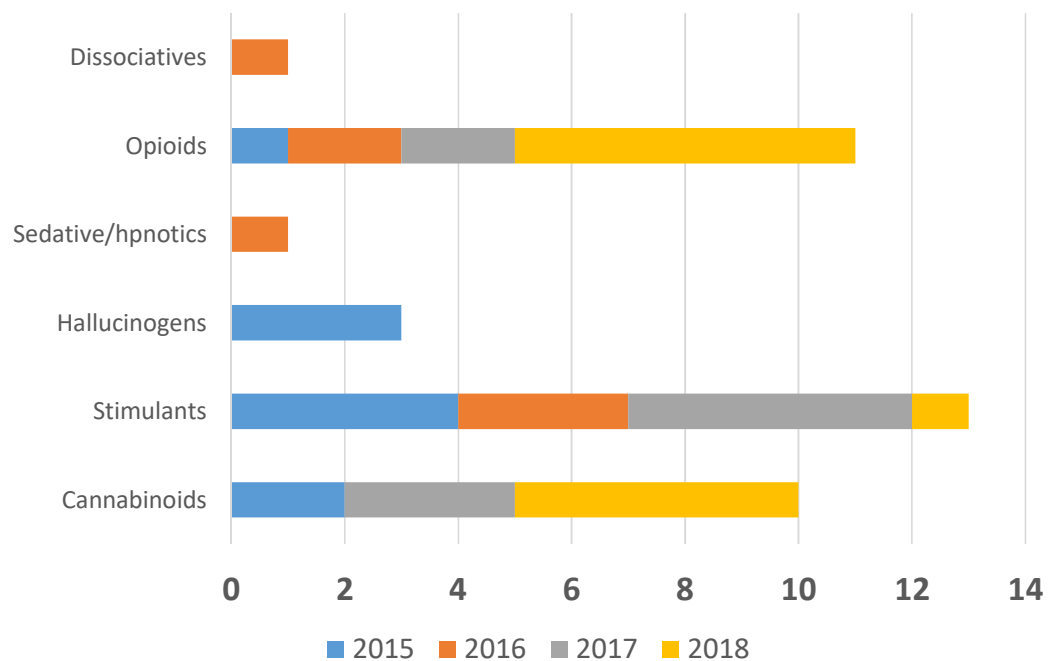
## **Synthetic cannabinoids**

- ADB-FUBINACA
- FUB-AMB (MMB-FUBINACA, AMB-FUBINACA)
- ADB-CHMINACA
- CUMYL-4CNBINACA

## **Synthetic cathinone**

- N-ethylnorpentylone (Ephylone)

# International Scheduling Decisions 2015-2018

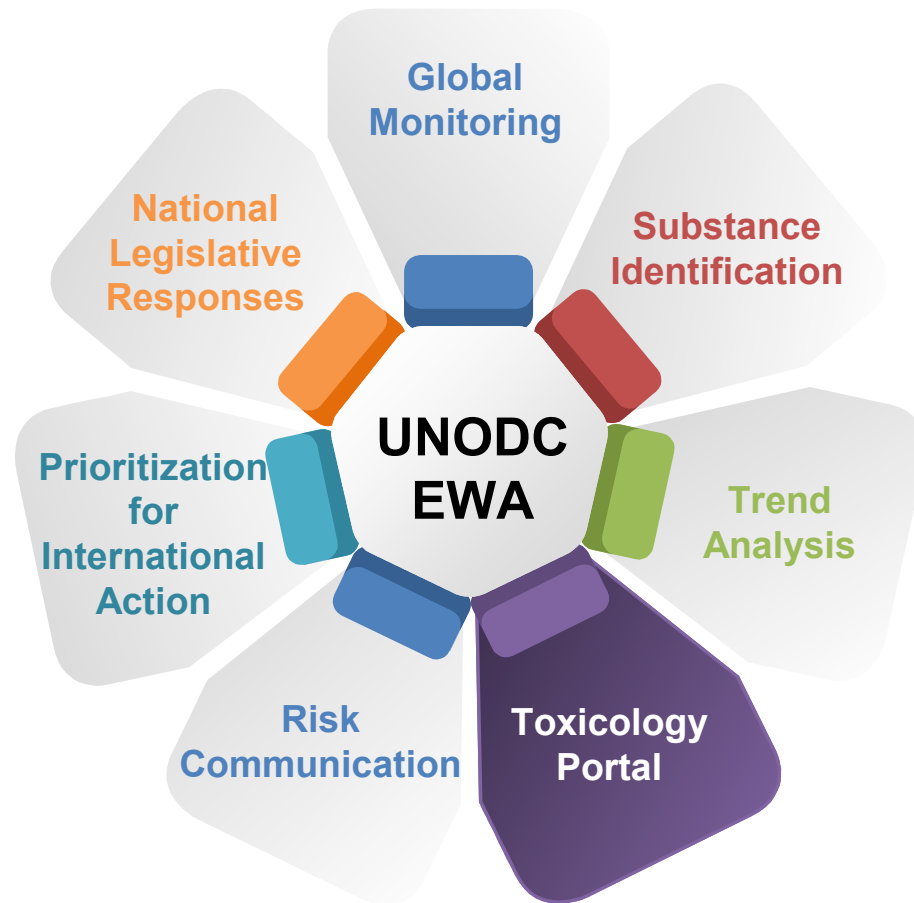


## Current and Future Challenges in Implementation

- **Identification and detection of substances**
- **Poly-substance use**
- **Non-medical use of prescription medicines**
- **Implementation of the scheduling decisions**
- **International Cooperation in data collection and sharing**



# Moving Forward: Addressing the most harmful NPS



Website  
[www.unodc.org/tox](http://www.unodc.org/tox)



Thank you!

*UNODC - Making the world safer from drugs, crime and terrorism*

Email  
[unodc-lab@un.org](mailto:unodc-lab@un.org)

Website  
[www.unodc.org/lss](http://www.unodc.org/lss)