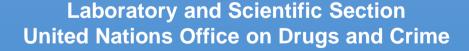
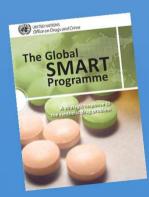
International monitoring of New Psychoactive Substances (NPS) - The UNODC Early Warning Advisory (EWA) on NPS

Vienna

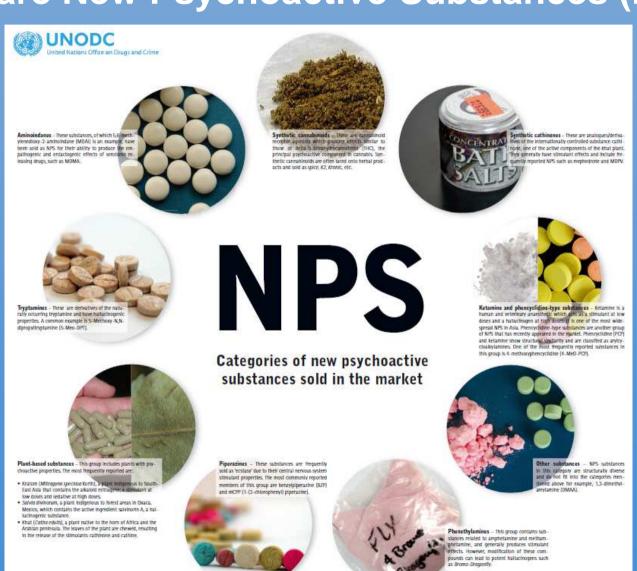




What are New Psychoactive Substances (NPS)?

- » substances of abuse,
- » not controlled by the 1961 United Nations Single Convention on Narcotic Drugs or the 1971 United Nations Convention on Psychotropic Substances,
- » which may pose a public health threat.

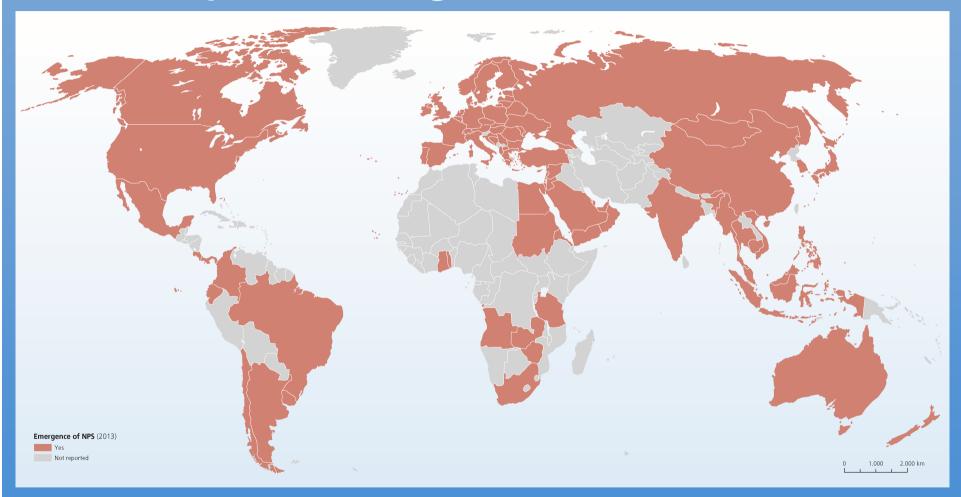
What are New Psychoactive Substances (NPS)?



What are the health risks and challenges of NPS?

- <u>Drug users</u>: may not be aware that they are taking an NPS instead of a drug they know: possible overdose, severe negative health effects, effects on the body not yet fully understood
- Health services: may not be aware of range of NPS on the market, their pharmacology and toxicology, how to identify them, how to best help emergency cases
- National drug laboratories: may not be in a position to identify the range of NPS already available to users
- <u>Law enforcement</u>: may not have the means to detect NPS with current methods
- <u>Legislative systems</u>: may not offer sufficient tools for interventions

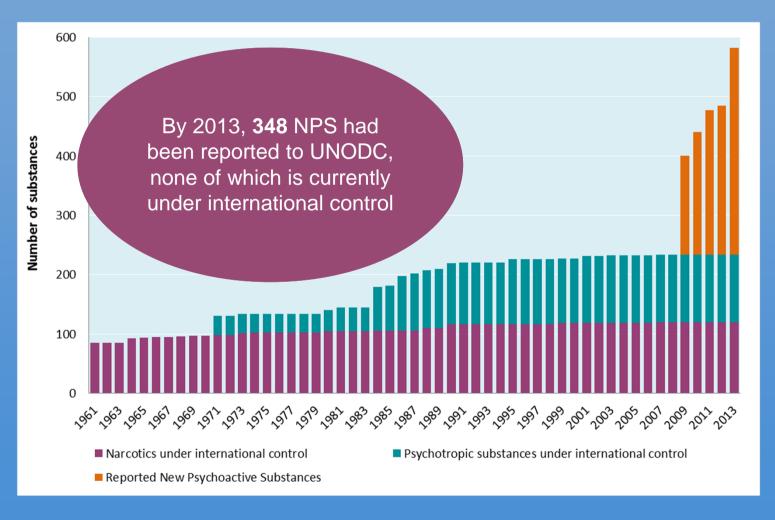
Reported Emergence of NPS in 2013



348 NPS reported worldwide (up from 251 in 2012)

90 Countries reporting the emergence of NPS (up from 82 in 2012)

Number of internationally controlled and noncontrolled substances, 1961-2013



What are the United Nations doing?

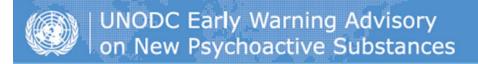
UNODC established an internet-based portal, the global Early Warning Advisory on NPS in 2013

(see www.unodc.org/nps)

In response to ...

CND Resolutions **55/1** (2012), **56/4** (2013) and **57/9** (2014), which request/urge

- Member States to monitor emerging trends on NPS and to share information with UNODC
- UNODC to enhance collection of NPS-related information
- Enhance international cooperation in the identification and reporting of NPS

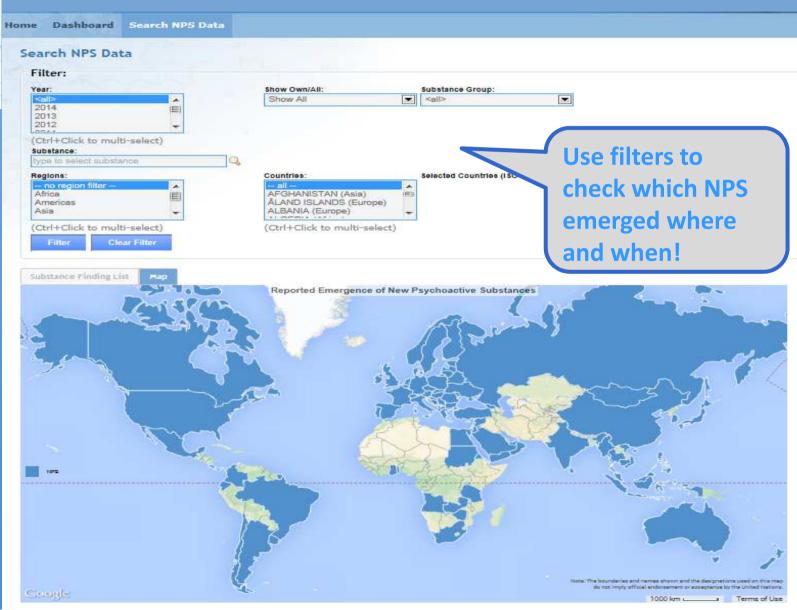


What does the Early Warning Advisory Offer?



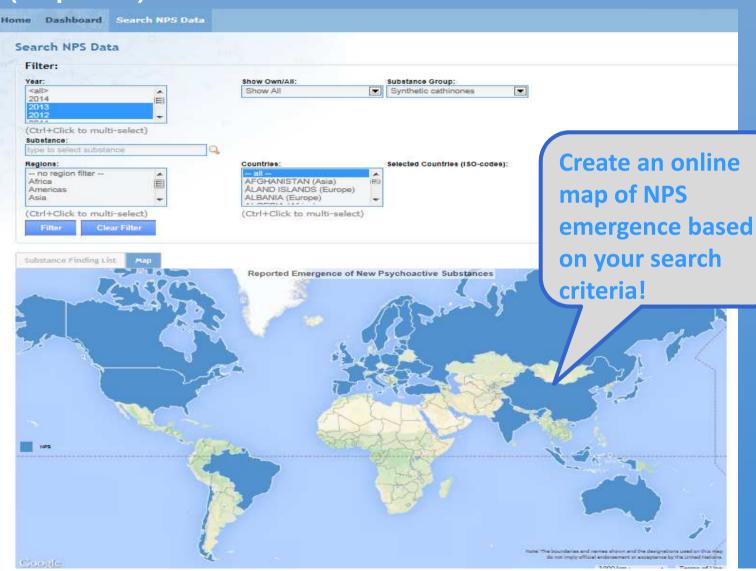


Search NPS trend data



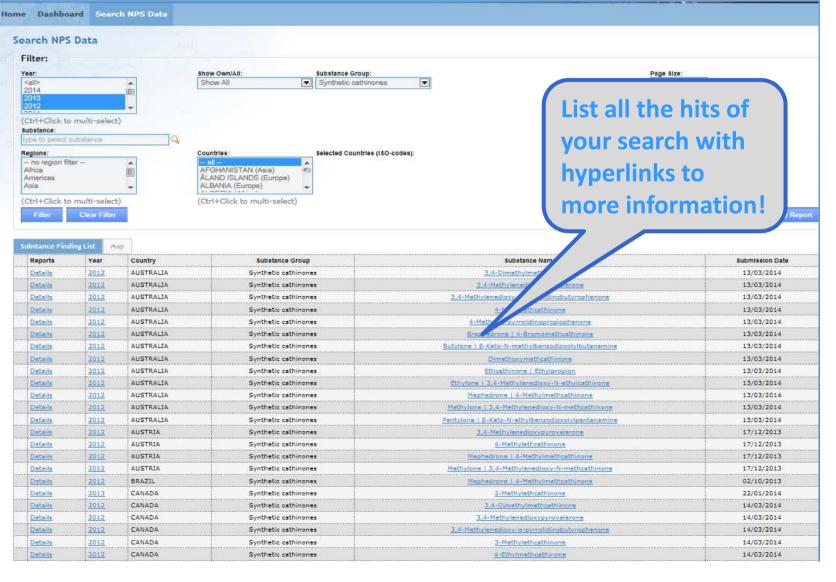


Example: Synthetic cathinones in 2012 and 2013 (map view)



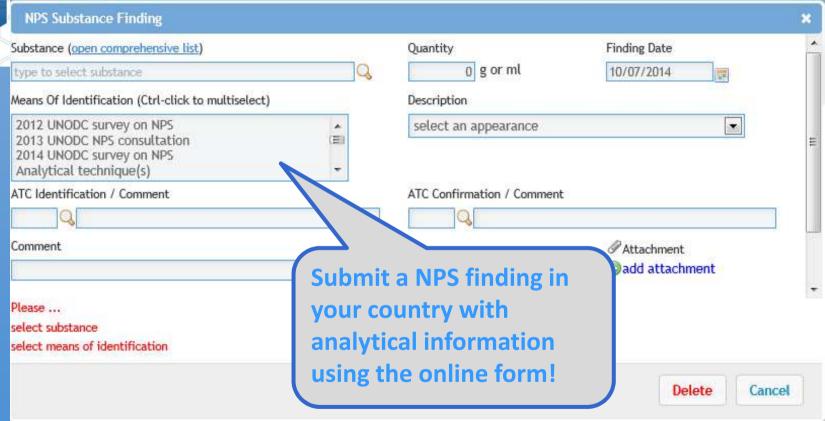


Example: Synthetic cathinones in 2012 and 2013 (table view)





Submit new NPS findings of the respective country





... and find more information on individual NPS

Home Dashboard Search NPS Data

NPS Chemical Information type to search for substance

Aminoindanes - 2,3-Dihydro-1H-Inden-1-amine, 1-Aminoindan - 2-Aminoindane, 2,3-Dihydro-1H-inden-2-amine (2-AI) [2975-41-9] - 5,6-Methylenedioxy-2-aminoindane, 6,7-Dihydro-5H-cyclopenta[f][1,3]benzodioxol-6-amine (MDAI) [132741-81-2] - 5,6-Methylenedioxy-N-methyl-2-aminoindane, N-methyl-6,7-dihydro-5H-cyclopenta[f][1,3]benzodioxol-6-amine (MDMAI) - 5-Iodo-2-aminoindane, 5-Iodo-2,3-dihydro-1H-inden-2-amine (5-IAI) [132367-76-1] - Indanylaminopropane, 5-(2-Aminopropyl)-2,3-dihydro-1H-indene (5-APDI) [152624-02-7]	Name	Substances	
Aminoindanes 5.6-Methylenedioxy-2-aminoindane , 6,7-Dihydro-5H-cyclopenta[f][1,3]benzodioxol-6-amine (MDAI) [132741-81-2] 5.6-Methylenedioxy-N-methyl-2-aminoindane, N-methyl-6,7-dihydro-5H-cyclopenta[f][1,3]benzodioxol-6-amine (MDMAI) 5-Iodo-2-aminoindane, 5-Iodo-2,3-dihydro-1H-inden-2-amine (5-IAI) [132367-76-1]	<u>Aminoindanes</u>		
Aminoindanes + 5-Iodo-2-aminoindane, 5-Iodo-2,3-dihydro-1H-inden-2-amine (5-IAI) [132367-76-1]			
+ 5-Iodo-2-aminoindane, 5-Iodo-2,3-dihydro-1H-inden-2-amine (5-IAI) [132367-76-1]		→ 5,6-Methylenedioxy-N-methyl-2-aminoindane, N-methyl-6,7-dihydro-5H-cyclopenta[f][1,3]benzodioxol-6-amine (MDMAI)	
		N-Ethyl-5-trifluoromethyl-2-aminoindane , N-Ethyl-5-(trifluoromethyl)-2,3-dihydro-1H-inden-2-amine (ETAI)	

Home Dashboard Search NPS Data

Details 5-lodo-2-aminoindane

Name: 5-Iodo-2-aminoindane

Alternative Name: 5-Iodo-2,3-dihydro-1H-inden-2-amine

Abbreviation: 5-IAI

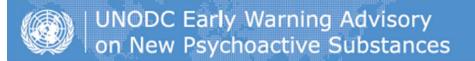
CAS-Number: 132367-76-1

Substance Group Name: Aminoindanes

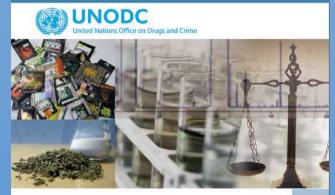
Description:

Search and display scientific information on NPS such as the CAS number!

Back to List



Look at guidelines for NPS identification in forensic laboratories



Recommended methods for the Identification and Analysis of Synthetic Cannabinoid Receptor Agonists in Seized Materials

MANUAL FOR USE BY NATIONAL DRUG ANALYSIS LABORATORIES



Recommended methods for the Identification and Analysis of Piperazines in Seized Materials

MANUAL FOR USE BY NATIONAL DRUG ANALYSIS LABORATORIES

(available in English, French, Russian and Spanish)

Legislation/Bills link: http://dof.gob.mx/nota_detalle.php?codigo=5329099&fecha=07/01/2014



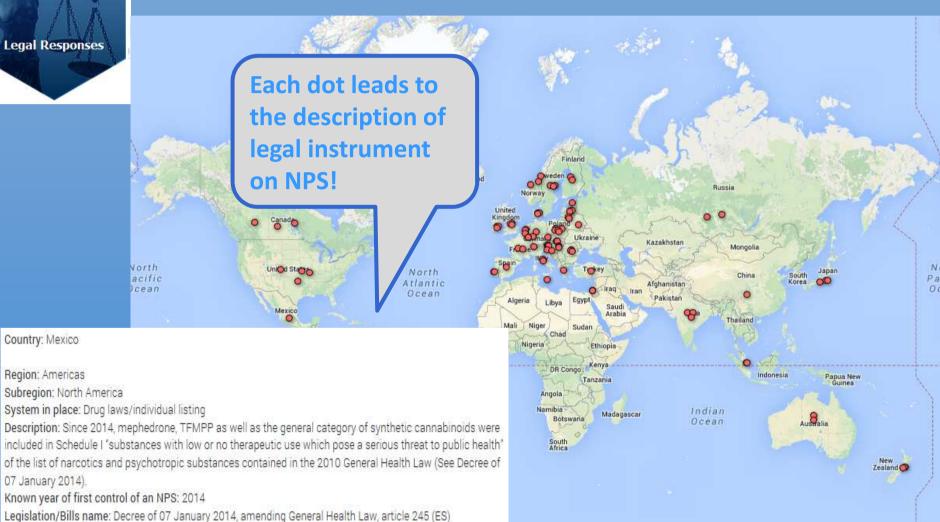
Country: Mexico

Region: Americas

07 January 2014).

Subregion: North America

Example: Mexico





Example: Mexico - Decree of 07 January 2014, amending General Health Law, article 245 (ES)

In many case, the original law is hyperlinked, too!



DOI . 0110112014

DECRETO por el que se reforman las fracciones I y III del artículo 245 de la Ley General de Salu

Al margen un sello con el Escudo Nacional, que dice: Estados Unidos Mexicanos.- Presidencia de la República

ENRIQUE PEÑA NIETO, Presidente de los Estados Unidos Mexicanos, a sus habitantes sabed Que el Honorable Congreso de la Unión, se ha servido dirigirme el siguiente

DECRETO

"EL CONGRESO GENERAL DE LOS ESTADOS UNIDOS MEXICANOS, DECRETA:

SE REFORMAN LA FRACCIONES I Y III DEL ARTÍCULO 245 DE LA LEY GENERAL DE SALUD.

ARTÍCULO ÚNICO.- Se reforman las fracciones I y III del artículo 245 de la Ley General de Salud, para quedar como sigue:

Artículo 245.- En relación con las medidas de control y vigilancia que deberán adoptar las autoridades sanitarias, las

substancias psicotrópicas se clasifican en cinco grupos:

I. Las que tienen valor terapéutico escaso o nulo y que, por ser susceptibles de uso indebido o abuso, constituyen un problema

Denominación Común Internacional	Otras Denominaciones Comunes o Vulgares	Denominación Química
CATINONA MEFEDRONA	NO TIENE 4- METILMETCATITONA	(-)-α-aminopropiofenona. 2-methylamino-1ptolylpropan-1-one
NO TIENE	DET	n,n-dietiltriptamina
NO TIENE	DMA	$dl\text{-}2,5\text{-}dimetoxi\text{-}\alpha\text{-}metilfeniletilamina}.$
NO TIENE	DMHP	3-(1,2-dimetilhetil)-1-hidroxi-7,8,9,10-tetrahidro-6,6,9-trimetil-6H dibenzo (b,d) pirano.
NO TIENE	DMT	n,n-dimetiltriptamina.
BROLAMFETAMINA	DOB	2,5-dimetoxi-4-bromoanfetamina.
NO TIENE	DOET	$d12,5dimetoxi4etil\alphametilfeniletilamina.}$
(+)-LISERGIDA	LSD, LSD-25	(+)-n,n-dietilisergamida-(dietilamida del ácido d lisérgico).
NO TIENE	MDA	3,4-metilenodioxianfetamina.
TENANFETAMINA	MDMA	dl-3,4-metilendioxi-n,-dimetilfeniletilamina.
NO TIENE	MESCALINA (PEYOTE; LO- PHOPHORA WILLIAMS II ANHALONIUM WILLIAMS II; ANHALONIUM LEWIN II.	3,4,5-trimetoxifenetilamina.

Country: Mexico

Region: Americas

Subregion: North America

System in place: Drug laws/individual listing

Description: Since 2014, mephedrone, TFMPP as well as the general category of synthetic cannabinoids were included in Schedule I "substances with low or no therapeutic use which pose a serious threat to public health" of the list of narcotics and psychotropic substances contained in the 2010 General Health Law (See Decree of 07 January 2014).

Known year of first control of an NPS: 2014

Legislation/Bills name: Decree of 07 January 2014, amending General Health Law, article 245 (ES) Legislation/Bills link: http://dof.gob.mx/nota_detalle.php?codigo=5329099&fecha=07/01/2014



NPS Briefs - find information on specific substances or topics

1. Mephedrone





NPS brief - Mephedrone 4-methylmethcathinone (4-MMC; mephedrone)

- 4. Basic toxicology

1. Background

Magadenom is a psychocockin obstance that file souther the copie of restrict of the interaction Dug Control Commentation. It begins that groups of reputitive carbinomes in Manesher of this great place a statement for carbinome, a substance lister in Scholicle of the 1971. Governor on a Psychotropic Solitzances and one of the psychosockine imprecision from a final file Carbon double, Memberone is not a resoft phenomenon. It was first symbolics dis 1920 but to date there is no established or schonologied medical value or use. While it has become an stratective drug for increasional purposes, memberone and other symbolic scholarones, such as MDPU, are reported as the most problematic group of new psychoactive substances.

Internet (in both retail and bulk quantities), "head" or 'smart shops' -which sell drug paraphernalia- or through street-level drug traffickers. Mephedrone is often marketed as a substitute for other controlled stimulants, such as cocaine, amphetamine and MDMA ("ecstasy") (Fig.1), and products containing this substance are frequently labelled as "not for human consumption" to circumsent the law

UNODC Early Warning Advisory - Mephedrone brief Page 1 of 14

Emergence of mephedrone 2009-mid 2013 Countries a porting amangance in the corresponding year. Countries reporting mapfied rose in the previous years Mephedrone emergence 2009 Mephedrone emergence 2010 Menhedrone emergence 2012 Menhedrone emergence 2011 Mephedrone emergence 2013

6. Legal situation

Menhadrone falls outside the wone of control of the International Drug Control System and is therefore neither included in the schedules of the 1961 Single Convention on Narcotic Drugs nor in the 1971 Convention on Psychotropic Substances. However, some countries, in accordance with article 39 of the 1961 Single Convention and artik 23 of the 1971 Convention on Psychotropic Substances, have adopted mational or regional legal responses to address its emergence in esponse to increasing concerns on the risks to public health. Some countries, such as Sigagone and Spain, pieced maphed once under control as a pre-emptire measure against its abuse. A number of countries have added menhedrone to the list of controlled substances by drue legislation. Others have adopted different approaches to control this and other related NPS more effectively, for instance, by using analogue and generic legislation, issuing temporary bans or have appealed to mackine legislation. More recently, specific NPS legislation has been passed by some countries (See Annex 1).

Up to August 2013, mephedrone has been controlled in 40 countries ¹⁹ world wide (see graph below), most of them boated in Europe (26 EU countries plan Belarus, Norway, Russia federation, Turriey and Switzerland), followed by Asia (4 countries), the America (5 countries) and Coeania (2 countries) (See Annex 3.) No dias is available from Africa. Legislative inconsistencies on the status of miphedrone across jurdations often hamper efforts by law enforcement authorities to prosecute international organized crime groups participating in the manufacturing, trafficking and distribution of this substance.

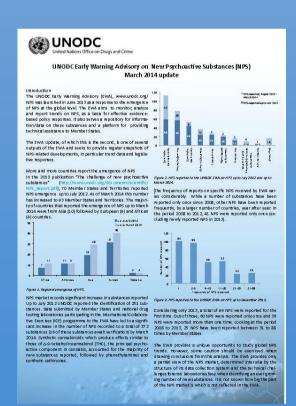
Legislative responses to mephedrone up to mid-2013





EWA Updates – find updates on the latest trends on NPS

- 1. EWA Update October 2013
- 2. EWA Update March 2014





Contact details

UNODC Early Warning Advisory on NPS www.unodc.org/nps

If you would like to register please send an email to: globalsmart@unodc.org

