



KONFERENZ ZUR NACHT  
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Drug Checking 3.0

DONNERSTAG 09.11.2017 14:00-15:30

Abstract Anton Luf

The Viennese addiction prevention model 'checkit!' provides on-site chemical analysis of recreational drugs coupled with counselling in the electronic dance music scene. This dual principle is called integrated drug checking (IDC). In recent years the drug market in Europe has become more and more complex, with the number of new psychoactive substances (NPS) in the European drug market growing larger every year. In 2016 more than 620 different NPS were monitored by the EMCDDA. In addition to this, the potency of classical recreational drugs has rapidly increased in recent years. For optimal harm reduction and addiction prevention measures, both the identity and the quantitative composition of a recreational drug have to be determined as fast as possible. In order to meet the demands of IDC under such complex circumstances a mobile UHPLC-MS (Ultra high performance liquid chromatography – mass spectrometry) system is employed at checkit! in Vienna. Four parallel UHPLC systems are installed, to deliver the high throughput, required for large parties and festivals of over 30 samples per hour. With this method, precise analysis results can be presented in less than 20 minutes, which allows to provide comprehensive harm reduction measures on the spot.