



# **Análisis de aguas residuales con fines epidemiológicos: aplicaciones a la estimación del consumo de sustancias de abuso y en salud pública en general. Red española ESAR- Net [**

2018

text (article)

Analítica

**ABSTRACT** This manuscript introduces Wastewater-Based Epidemiology (WBE) and its potential in the assessment of diverse aspects related to public health. This methodology can provide data in a relatively short temporal and local scale (typically daily-weekly at the municipal level) on consumption patterns of illicit drugs (e.g. cocaine or cannabis), licit substances of abuse (e.g. alcohol) by measuring their consumption biomarkers (i. e. the original unmetabolized substance or some of its metabolite) in wastewater. Besides discussing the fundamentals, advantages and shortcomings of WBE, it reviews some of the main precedents at international level and most remarkable activities that have been taken place in this field in Spain. Finally, the Spanish Network of Wastewater-Based Epidemiology (ESAR-Net) as is presented. ESAR-Net is an Excellence Network that sums up the efforts of the most relevant Spanish researchers in the field of WBE, aiming to investigate future perspectives of this methodology and its impact on Public Health competences in Spain

**ABSTRACT** This manuscript introduces Wastewater-Based Epidemiology (WBE) and its potential in the assessment of diverse aspects related to public health. This methodology can provide data in a relatively short temporal and local scale (typically daily-weekly at the municipal level) on consumption patterns of illicit drugs (e.g. cocaine or cannabis), licit substances of abuse (e.g. alcohol) by measuring their consumption biomarkers (i. e. the original unmetabolized substance or some of its metabolite) in wastewater. Besides discussing the fundamentals, advantages and shortcomings of WBE, it reviews some of the main precedents at international level and most remarkable activities that have been taken place in this field in Spain. Finally, the Spanish Network of Wastewater-Based Epidemiology (ESAR-Net) as is presented. ESAR-Net is an Excellence Network that sums up the efforts of the most relevant Spanish researchers in the field of WBE, aiming to investigate future perspectives of this methodology and its impact on Public Health competences in Spain

**Título:** Análisis de aguas residuales con fines epidemiológicos: aplicaciones a la estimación del consumo de sustancias de abuso y en salud pública en general. Red española ESAR-Net electronic resource]

**Editorial:** 2018

**Tipo Audiovisual:** Epidemiología Consumo de drogas de abuso Alcohol Tabaco Salud pública Biomarcadores Promoción de la salud Epidemiology Consumption of drugs of abuse Alcohol Tobacco Public health Biomarkers Health promotion

**Documento fuente:** Revista española de salud pública, ISSN 1135-5727, N°. 92, 2018

**Nota general:** application/pdf

**Restricciones de acceso:** Open access content. Open access content star

**Condiciones de uso y reproducción:** LICENCIA DE USO: Los documentos a texto completo incluidos en Dialnet son de acceso libre y propiedad de sus autores y/o editores. Por tanto, cualquier acto de reproducción, distribución, comunicación pública y/o transformación total o parcial requiere el consentimiento expreso y escrito de aquéllos. Cualquier enlace al texto completo de estos documentos deberá hacerse a través de la URL oficial de éstos en Dialnet. Más información: <https://dialnet.unirioja.es/info/derechosOAI> | INTELLECTUAL PROPERTY RIGHTS STATEMENT: Full text documents hosted by Dialnet are protected by copyright and/or related rights. This digital object is accessible without charge, but its use is subject to the licensing conditions set by its authors or editors. Unless expressly stated otherwise in the licensing conditions, you are free to linking, browsing, printing and making a copy for your own personal purposes. All other acts of reproduction and communication to the public are subject to the licensing conditions expressed by editors and authors and require consent from them. Any link to this document should be made using its official URL in Dialnet. More info: <https://dialnet.unirioja.es/info/derechosOAI>

**Lengua:** Spanish

**Enlace a fuente de información:** Revista española de salud pública, ISSN 1135-5727, N°. 92, 2018

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)