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|  |  | **Prof. Gordon H. COPP**Gordon has over 32 years experience in the environmental biology of freshwater fishes, encompassing early development, life-history traits, otter-fish interactions, invasion biology and non-native risk analysis. Following a post-doctoral fellowship with the Freshwater Biological Association and ten years of teaching and research as Reader in Ichthyology at the University of Hertfordshire, Prof. Copp joined Cefas in 2002 to lead research contracts on the environmental biology and risk analysis of non-native freshwater fishes, including development of internationally applied invasiveness screening kits (FISK, AS-ISK). He also participates in native fish conservation initiatives such as the Norfolk Biodiversity Action Plan for crucian carp and research on Eurasian otter diet and distributions. Prof. Copp’s R&D, which involves both national and international partners, has been supported by Defra, the UK Environment Agency, British Council, the FSBI, and the Norfolk Biodiversity Partnership. He provides specialist advice to national and international organisations on various aspects of aquatic biological invasions (including Defra, the EC, CABI-International, ICES Working Group on Introductions and Transfers of Marine Organisms (WGITMO), the UK-TAG Alien Species Group for Water Framework Directive implementation). Prof. Copp is associate editor for the international, peer-review journals ‘Fisheries Management and Ecology’ and ‘Folia Zoologica’.Over the last 15 years, Gordon has expanded his research to include applications of molecular and telemetry tools, such as the development of environmental DNA methods to detect non-native and diadromous species, and studies of alien species impacts on: i) the genetic character of crucians through hybridization and ii) native species trophy using stable isotopes. Gordon is also adjunct professor at Trent Univ. (Canada), visiting professor and supervisor of PhD students at Bournemouth Univ. (UK), a Research Fellow at the University of Łódź (Poland), and external examiner of European research units and PhDs in the UK and Europe.**RELEVANT EXPERIENCE**Research and advice on the risks and impacts of non-native fishes As an advisor to Defra and a member of the GB Non-Native Risk Analysis Panel (NNRAP), which undertakes peer-review of non-native species risk assessments, Gordon’s research focuses on the potential risks posed by non-native freshwater fishes and involves the development of risk analysis protocols for the screening and full assessment of non-native aquatic species.Detection of non-native species from environmental DNA Gordon is contract leader for a project to adapt and develop methods for the early detection of non-native fish species from the DNA found in water samples. The outcome of these projects will provide a means of early forecasting of new species invasions, the evaluation of the efficacy of invasive fish eradications, with potential applications in compliance (e.g. ballast water convention, non-native species detection) and management (e.g. rapid response/eradication/control and containment). |
| **POSITION****Principal Scientist in Fish Biology****QUALIFICATIONS**Habilitation (Ichthyology) PhD (Fish Ecology)PgD (Env Sci & Technol)BSc (Biology/Env Studies)**AFFILIATIONS & AWARDS**•Visiting Professor, Bournemouth Univ (UK)•Adjunct Professor, Trent University (Canada)•External Research Fellow, Univ Łódź (Poland) •Associate Editor: Fisheries Management & Ecology, •Guest Editor to 4 journals•FSBI Treasurer (2005–13)• ‘*Universitatis Lodziensis Amico*’ medal (2011)**AREAS OF EXPERTISE*** Conservation Biology of Freshwater Fishes and of Eurasian otter
* Invasion biology
* Non-native Species Risk Analysis
* Project Management

**PUBLICATIONS**Published over 190 articles in peer-reviewed journals Author of over 20 book chapters and web entries |  |