

# ISIS



**ZIMS Project Team**

These pages tell you about the professionals with profound expertise in database architecture, cutting edge software development, user interface design and zoo/aquarium business practices who will take ZIMS across the finish line. Some of them are formal ISIS employees, some are consultants, some are volunteers. All share the optimistic vision for what ZIMS will be and a dedication to making ZIMS a powerful tool for the ISIS global community.

## ZIMS Project Team Leaders



Syed Hassan has been with ISIS since 2003, first in the role of chief technology officer, and now as ISIS assistant director. He has overall responsibility for the successful development of ZIMS, including solving business issues while managing costs and minimizing risk. With 23 years in the IT industry, he was formerly the computer services and telecommunications manager for the Toronto Zoo. He holds an advanced degree in Computer Science from Hyderabad Institute of Computer Science in Hyderabad, Pakistan. He is a certified Project Management Professional, and holds numerous specialized IT certifications.



Craig Yellick is consulting company Alto's vice president and senior analyst and is the mastermind behind the new .NET architecture for ZIMS. Drawing on 25 years of experience in the IT industry, he is providing high-level code reviews and recommendations for improving ZIMS programming. He is also training the vendor's team in India to write higher quality code than is typical for most software. Craig has been designing and training in .NET since pre-release versions in 2001, and has been working with SQL Server since version 4.21 in 1993. He is a Microsoft Certified Solution Developer (MCSD) with certifications in numerous development tools and SQL Server as well as the core operating system certifications. He is also a Microsoft Certified Trainer (MCT).



Doug Verduzco comes to ZIMS after working for AZA on the genesis of ZIMS in 2001. His 16 years of IT experience helped him facilitate multiple working sessions with subject matter experts to develop the initial data standards and the conceptual data model. Later, he developed the scoping-level requirements included with the original RFP (defining how big ZIMS would need to be to serve ISIS members). In 2004, he began to work with the Wildlife Conservation Society (WCS) to lead their adoption of ZIMS. He worked with subject matter experts to develop pre-ZIMS and post-ZIMS animal management and health care processes and their application conversion requirements. In 2007, he began working with ISIS on the new development process as the ZIMS Chief Architect.



Wenlei Fang has more than 10 years of experience in the IT industry. His expertise includes C#.Net, VB.Net, ASP.Net SQL. He's Microsoft certified MCSD and MCDBA. He has worked in ISIS for more than 3 years. He is leading the ZIMS Architecture and Environment Support Team.



Nury Sword has 11 years of experience on MS SQL Server starting from version 6.5, involving database design, analysis, development, performance tuning and administration. He also has hands-on experience in Visual Basic programming as well as .NET programming. Nury is helping rework the database according to the revised data model and is working on stored procedures, optimization methods and special coding techniques. He will also help create the data warehouse, data migration and replication systems.



Elisabeth Hunt is ISIS' director of training and technical support. Before joining ISIS in 2002, she spent 13 years at Binder Park Zoo in Battle Creek, MI, most recently as Vice President of Education. Elisabeth has been deeply involved in ZIMS, working specifically on data standards, user acceptance testing, and the user interface.

## ZIMS Project Team



Nathan R. Flesness served as the executive director of ISIS from 1979 until recently when he stepped into a new role as ISIS Science Director. He has been with the ZIMS project since its inception, providing leadership on the vision and functional needs of the application.



Mike Kelly, .NET Developer, has been working at ISIS for 17 years. He has experience doing software support work on ARKS, SPARKS, and MedARKS as well as being one of the primary developers of the ARKS3 and ARKS4 applications. He has experience and training with Visual Foxpro, Visual Basic, SQL Server, Microsoft Access, Visual Basic .NET, ASP.NET, and C# .NET



Faiyaz Alam has twelve years management experience in the IT industry on software projects in a diverse range of technologies. He is applying his expertise in international vendor management and evaluation of quality to the ZIMS project to ensure execution & delivery of an outstanding product. He has extensive domain expertise in the retail, telecom, sourcing and SCM sectors.



Shalini is a PMI certified Project Management Professional having more than 8 years of experience. She has exposure to complete life cycle implementation of many projects based on Microsoft technologies. She has experience of handling complex projects with geographically separated teams. She also has exposure to Agile methodology.



Nathan Papineau has been an IT consultant for 8 years specializing in web development with experience in business analysis, software architecture, and database design. Technologies include VB.Net, C#.Net, ASP.Net, SQL, JavaScript, and AJAX.



Isaac Koss is a VB.Net developer with experience working with Java, C++, and Object Oriented programming. He is part of the team designing and implementing common code libraries, which is critical to minimize the duplication of effort in ZIMS architecture development.



Suruchi Jain has 5 years of IT experience with growing expertise in .Net programming, ASP.Net and SQL Server. She has experience as a business analyst and has also worked in .Net programming, quality testing, onsite client coordinator and project manager on projects of varying complexity. She possesses a Masters degree in Computer Applications and is a graduate with major in Mathematics from Delhi University.



Ranita Basu Ray has more than 3 years experience as a business analyst. She is part of the specifications development team of ZIMS. She is also developing clickable mockups in .NET from the static screen mockups provided by the UI team, part of making new ZIMS screens as friendly and easy to navigate as possible. Ranita has a Masters degree in Economics.



Gargi Verma has three years' experience in Business Analysis and Consulting, working in varying domains including health care, textile and finance. She graduated from IIT Delhi and has also studied at the London School of Economics.

## ZIMS Subject Matter Experts (alphabetically)



Dr. Jonathan Ballou is the Population Manager at the Smithsonian Institution's National Zoological Park. He is co-author of the population analysis software PM2000 and MateRx. He serves as the population manager and studbook keeper for the endangered golden lion tamarin and is the Chair of ISIS's Scientific Advisory Committee.



Laurie Bingaman Lackey joined ISIS in 1993 after almost 20 years working as a keeper, registrar and programmer for early versions of population management software. She provides ISIS members with technical assistance with the SPARKS studbook program and related software. She coordinates the collection of global studbook data for the ISIS/WAZA Studbook Library DVD, which contains over 1400 studbooks.



Duncan Bolton is the Curator for Birdworld in Surrey, UK. He has been involved with ZIMS from its inception as a member of International Animal Data Information Systems Committee (IADISC), a small group of zoological experts who helped establish the core concepts of ZIMS. He is a member of the Project Management Office (PMO), a volunteer group of experts who provide guidance, feedback and perspective on the technical aspects of building ZIMS.



Rebecah Bryning is a Senior Systems Analyst/Programmer for the Zoological Society of San Diego. With the Zoological Society since 1994, Rebecah oversees software development in the area of conservation, including animal management/husbandry, clinical medicine, pathology, nutrition, research and horticulture. Rebecah has been deeply involved with the ZIMS project since 2002.



Tim Carpenter is the Curator of Fish and Invertebrates at the Seattle Aquarium, and has been working on the ZIMS project since 2004. He has worked in various other facilities, including engineering at the Shoals Marine Lab, and running a marine science education facility on Orcas Island, Washington.



Tracy Clippinger is a Senior Veterinarian at the San Diego Zoo and a Diplomate of the American College of Zoological Medicine. She has been involved in development and integration of the medical records portion of ZIMS since its conception and served as Veterinarian in Residence for ISIS in 2007-08.

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Jason Crichton is the Director of Husbandry & Facilities at the South Carolina Aquarium and has been working on the ZIMS project since April of 2004. Jason was a part of the original team that acquired all the animals during construction of the SCA. Before that he worked for many years at the National Aquarium In Baltimore.



Nathan R. Flesness has been the executive director of ISIS since 1979. He has overseen expansion of the organization from 86 members in four countries to over 800 members in 76 countries today. Mr. Flesness works extensively with the international, member-elected ISIS Board of Trustees to develop and implement priorities, policies and budgets; and with the Board's international science and technical advisory committees to improve ISIS member services.



Lynn McDuffie is Assistant Curator of Records for Disney's Animal Kingdom/Animal Programs and Environmental Initiatives and has been a Professional member of the Zoological Registrars Association for over 20 years, where she serves on various committees. Lynn has been involved with the ZIMS Project for a several years.



Adrienne Miller is ISIS's Registrar Subject Matter Expert. She joined ISIS in November 2008 and prior to that had 20 plus years of animal records experience at Roger Williams Park Zoo, Providence, RI, and Audubon Zoo, New Orleans, LA. Adrienne was involved in ZIMS early on and has recently rejoined the team specifically to assist with the Registrar's use of the program.



Rachel Thompson, DVM, is the current ISIS Veterinarian in Residence as well as Associate Veterinarian at The Minnesota Zoo. She did her undergraduate work at Missouri State, and attended the College of Veterinary Medicine at the University of Minnesota. She moved back to Minnesota in January from northern California after being the associate veterinarian at Six Flags Discovery Kingdom.