

GWC

Getches-Wilkinson Center
for Natural Resources, Energy, and the Environment

James Anaya Named New Dean of Colorado Law

University of Colorado Boulder Provost Russell L. Moore has announced the appointment of James (Jim) Anaya, a Regents' Professor and James J. Lenoir Professor of Human Rights Law and Policy at the University of Arizona, as dean of the law school. Anaya will begin his duties on July 18, 2016. Anaya's teaching and writing focus on international human rights and issues concerning indigenous peoples.

"As a legal scholar and practitioner, Jim Anaya for decades has not only contributed distinctive quality, character and importance to legal theory, but he also has advanced protections for indigenous peoples around the globe," said Moore. "His devotion to the development and application of the legal canon and his thoughtful approach as a leader epitomize the desired attributes of a dean, and we are delighted that he's joining CU-Boulder."

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Dear Friends,



As the 2015-2016 academic year draws to a close, so too does my tenure as Executive Director of the Getches—Wilkinson Center for Natural Resources, Energy and the Environment. To borrow from a statement I made when I was appointed as ED in January 2014, both David Getches and Charles Wilkinson have been pivotal figures in my life and career, as friends and mentors, and it has been an honor and a pleasure to lead the Center carrying their names for the last two and a half years. I feel very good about the progress we have made in that time, and I have valued the opportunity to work so closely with the Center’s tremendous faculty members, researchers and staff to continue to build its important legacy.

While we have made great progress, I am even more excited about the Center’s future prospects, and I look forward to a high level of continued involvement with the Center in my new capacity as a Senior Fellow. In the meantime, the Center’s Board and Dean Weiser are in the final stages of the process to select my successor, and I am confident that the Center will be in very capable hands when that person is

appointed and comes onboard in the next few weeks.

This transition will occur at the same time as another important transition at the Law School, which recently announced that **Professor James Anaya** of the University of Arizona will succeed Phil Weiser as Dean of the Law School. Professor Anaya is a leading expert on international human rights and issues concerning indigenous peoples, and one of his key focus areas has been the development of natural resources on indigenous lands and the impacts such development can have on impacted communities. His appointment offers an exciting opportunity for the students and faculty of Colorado Law and for the constituents of the Center. Everyone here is keenly looking forward to his arrival later this summer.

Once last transition requires special mention. In March, Professor Charles Wilkinson announced that he will retire from the Law School in a few years. As all of you know, Charles has over the years had a profound impact on the lives and careers of so many students, fellow academics, lawyers, government and civic leaders, community activists, conservationists, and members of the public. Through his writing, teaching and advocacy, he instilled in many of us a respect and reverence for the American West, its people, wildlife, lands and waters. And for many of us, he inspired a desire to pursue a career in the natural resources field.

Luckily, in March at the **Martz Winter Symposium**, we were able to honor this legacy and celebrate Charles’s career here at Colorado Law. The Symposium was entitled, “A Celebration of the Work of Charles Wilkinson: Served with Tasty Stories and Some Slices of Roast,” and it was a rousing success. We were able to bring together a wide variety of people who have collaborated with and learned from Charles over the years, and we focused on the key themes, insights and impacts of his body of work. For everyone that was able to attend, we will not soon forget this chance to celebrate his life, family, vision and humanity. For those of you who weren’t able to make it, all of the video is available on the Center’s website. And Charles, thank you so much for letting us come together in this way!

June will mark another watershed (pun intended!) in the Center’s development, when we will host an international conference and series of workshops on the global issue of water scarcity. The **Martz Summer Conference** is entitled, “Coping with Water Scarcity in River Basins Worldwide: Lessons Learned from Shared

Experiences,” and will be held June 9-10th at the Law School in Boulder. Water scarcity is increasingly dominating headlines throughout the world, and this conference, organized by the Center’s Senior Research Associate Doug Kenney, will gather a group of renowned experts from around the globe to explore several salient topics including: trans-boundary cooperation, water marketing, Indigenous water rights, environmental and social water needs, and mechanisms for coping with drought. It is our hope that this gathering will inspire a new round of research and cooperation on these important issues, building on the Center’s legacy of expertise on water issues in the American West to provide thought leadership and ongoing dialogue on an international level.

I was privileged to work with and learn from so many outstanding scholars and colleagues during my two and a half years at the Center, and to meet so many new friends. My heartfelt thanks go out to the Center’s faculty-led Board, including the two chairs who I worked under, Charles Wilkinson and Sarah Krakoff. Thanks also to the Center’s distinguished Advisory Council, which offered tremendous advice and encouragement during my stint as ED. Mike Gheleta and Peter Nichols served as very able chairs of the Council over the course of my time here. And I would like to acknowledge the highly capable support provided by the staff of the Center and of Colorado Law—they are true professionals in every sense of the word.

In particular, I would like to thank and acknowledge **Dean Phil Weiser** for the tremendous support that he has offered to me and to the Center over the last few years. His leadership of the Law School these last four years has been truly outstanding, and he will be greatly missed as Dean. Luckily, he will be remaining on the faculty and continuing to lead the Silicon Flatirons Center, which has been an outstanding partner and supporter of the Center over the years.

Next, special thanks go out to **Shaun LaBarre, Program Manager** at the Center. Shaun and I started at the Center at roughly the same time, and his efforts to get the Center on a solid administrative, financial and logistical footing have been highly effective and are deeply appreciated. Shaun has brought a high level of energy, creativity and professionalism to the position and has been a tremendous help in moving our program forward. This man has a bright future ahead of him!

My final thanks go out to you, the friends and supporters of the Center. We are very lucky to have a dedicated group of alumni, friends, donors and students who provide support, offer guidance, make introductions, speak at and assist with conferences and events, and champion our work and our mission. The help of these friends is so crucial to our continued success.

I look forward to continuing to work with each of you, and with the Center’s soon-to-be-announced new leadership, as we continue to build on the legacy of the Center and work to fulfill our vision and mission:

To serve the people of the American West, the nation, and the world through creative, interdisciplinary research, bold, inclusive teaching, and innovative problem solving in order to further true sustainability for our lands, waters and environment.



Britt Banks
Executive Director

A Message from the Chair of the Advisory Council

By Peter Nichols

On behalf of the Advisory Council, I'd like to thank our former member Britt Banks for selflessly stepping into the position of Executive Director at a critical time for the Center. His steady hand and strategic direction over the past two years helped establish a stable framework for the Center to move forward. There has accordingly been a tremendous response to the search for a new Executive Director. Ann Getches, Zach Miller, and I are looking forward to interviewing the three finalists along with the faculty members of the search team.

The Advisory Council would also like to express its appreciation to outgoing Dean Phil Weiser for his support of the Center, and willingness to discuss and address issues of importance to the Committee. We look forward to working with incoming Dean James Anaya, who has already evidenced his commitment to the Center and Colorado Law's nationally-ranked natural resources program.

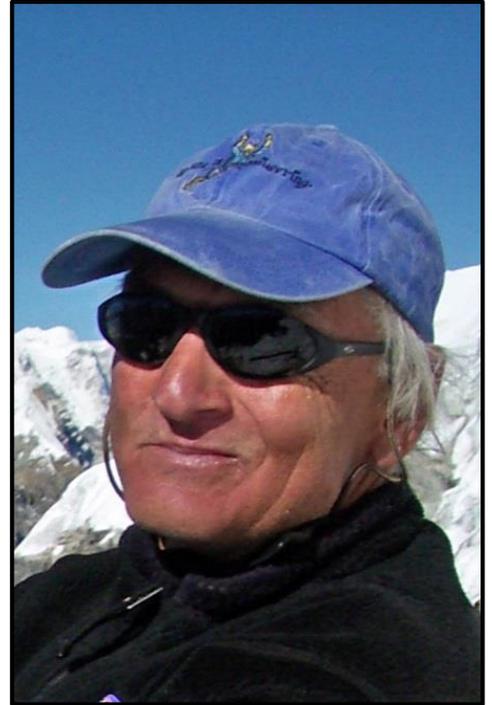
The Advisory Council would also like to welcome Alice Madden, the Center's newest Senior Fellow.

The Council appreciates Professor Krakoff's recent service as chair of the Board and the search team for a new Executive Director. We look forward to working with Charles Wilkinson as he returns as Board Chair.

Faculty presentations on their work are strengthening ties to the faculty, recently by Professor William Boyd and Clinical Professor Carla Fredericks. And I'm pleased to report that vice-chair Scott Miller, immediate past-chair Mike Gheleta and I regularly participate in the Board's monthly meetings, which addresses the Council's short term goal of developing closer ties to the Board and faculty.

In closing, the Advisory Council reiterates its commitment to assist Colorado Law's natural resources program to both improve its national academic stature and the Center's relevance to practitioners. The Council is prepared to work with the new leadership to accomplish those goals, and develop increased opportunities for meaningful student engagement.

Cheers - Peter



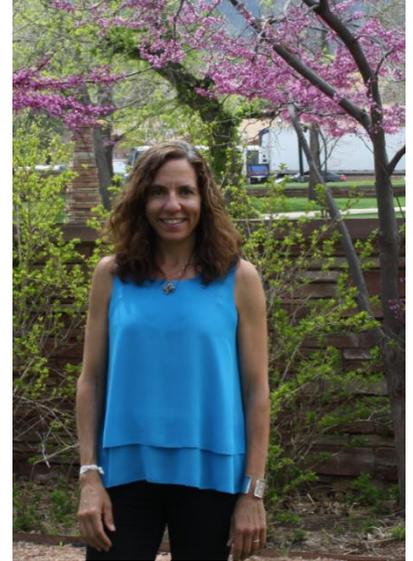
Faculty Spotlight: Professor Sarah Krakoff

By Christina Warner

Though she was recently named the Raphael J. Moses Professor of Law, the honor is only one of Professor Sarah Krakoff's numerous accomplishments in recent years. From scholarship, to leading experiential learning trips on the Colorado Plateau, to her community-centered work with the Acequia Project, there is little that Krakoff does not do to contribute to the landscape of natural resource and federal Indian law.

Acequia Project

One of Krakoff's major focuses has been the Acequia Project, which provides free legal assistance to low-income and predominately Hispanic farmers in the San Luis Valley. The San Luis Valley was settled over 150 years ago by Spanish and Mexican families. The irrigation systems that they established, known as acequias, form the basis for much of the community's social and cultural life. Acequias have democratic governance structures that allow each family an equal vote in acequia matters, regardless of land and water owned, and depend on universal participation to maintain the ditches. Today these communities are being threatened by a variety of forces. In some cases, their ancient water rights are being challenged because they lack formal judicial decrees. In others, land sales have resulted in non-resident owners having rights to acequia water without any corresponding sense of obligation to the community.



Now finishing its fourth year, the Acequia Project originated from the community's needs. Peter Nichols, a partner at Bern Hill Greenleaf Ruscitti and member of the Getches-Wilkinson Center Board of Directors, says, "Sarah characteristically jumped in with both feet when I asked if Colorado Law would provide *pro bono* student assistance to Spanish descendants in Colorado's oldest town faced with legal uncertainty around their historical water use. She immediately volunteered two of her personal research assistants to help and recruited her former students to supervise and mentor the law students."

"The project came to us organically from the community," explains Krakoff. "It was and continues to meet a real need of [the farmers in the San Luis Valley]." The Project also fosters connection and outreach with its partners, which presently include the Sangre de Cristo Acequia Association, Colorado Open Lands, and six volunteer attorneys. Within Colorado Law, more than 80 students have volunteered their time, which has included legal research, traveling to the San Luis Valley to assist the acequias with their annual ditch cleanings, and meeting with the *parciantes* (acequia members). The project's partners, the students and Professor Krakoff do the work entirely *pro bono*, instilling a sense of service in students while helping to fill the gap in access to legal services in Colorado.

Megan Gutwein ('16) started working for the Acequia Project in her first year of law school and says it was one of the first—and best—things she did. "This project is one of the only opportunities to work with clients and help real people as a first-year law student," Gutwein says. "We also learned about water law, title searches, and some corporate law, which were a pleasant reprieve from the regular first year classes. During my first

semester I traveled to San Luis with Professor Krakoff and other students for the Congreso de Acequias, where local stakeholders gathered and discussed issues facing landowners who use traditional community-based irrigation systems. The following year I actually prepared and gave a presentation with Professor Krakoff to this group of people discussing the pros and cons of incorporation. I had the chance to work with several different acequia groups drafting bylaws, and have also worked with other irrigators on water rights issues through this project. Not only is the Acequia Project a great opportunity for students to learn about water law, but it also allows us to develop relationships with clients and help them navigate the Colorado legal system. It is truly amazing to see how warmly they welcome us into their communities and how much they appreciate the work.”

The Acequia Project blends Krakoff’s focus on natural resource law, environmental justice, and climate change with experiential learning and, as such, has remained a popular project for students. Krakoff says, “The thing that my students love about the work is that it combines real natural resource and water lawyering in the context of work with underrepresented people.”

Teaching

On top of teaching a full course load of more traditional classes, Krakoff has also been involved in one of the most popular experiential learning courses at Colorado Law, the Advanced Natural Resources Seminar. The next frontier of this course, entitled “The Law of the Colorado River,” will launch Spring 2017 and culminates with a rafting trip down the River through the Grand Canyon. “The idea for this trip grew out of my own experience leading three of these field seminar classes on my own. Charles Wilkinson and I started alternating who taught the course so that we could offer it every year,” says Krakoff. “I led three road trips on the Colorado Plateau which were phenomenal, but each time I thought, I could do an entire course centered around the River, pulling in all of the issues through the region’s most significant source of water.”

Julia Guarino, Research Faculty in the Getches-Wilkinson Center, will be co-teaching the course with Krakoff. Guarino, who was once a student in Krakoff’s Advanced Natural Resources Seminar, expresses excitement at the new iteration of this course, “During the spring of my 2L year, I participated in the Advanced Natural Resources Seminar with Professor Krakoff in which we studied the geology, geography, history, use, and ongoing conflicts on the Colorado Plateau. The course, which included a week-long car-based trip through four corners, Navajo country, and Southern Utah, was an absolute highlight of my law school experience. Professor Krakoff is brilliant, knows the country well, and introduced us to a people and landscape that continues to inspire my work. I am thrilled to have the opportunity to be teaching a new version of this course with Sarah, where students will learn the law of the river, and be able to put it into context in an unprecedented way.”

Though the centerpiece of the class is the two-week raft trip, it is only one piece of the three-unit course about the importance of the River. For more than a century, the Colorado River was the single major source providing the answer to the perennial question: where will we get the water? The seminar will address the many areas of law and policy that affect management of the Colorado River and the communities that depend on it, while also including material and presentations from experts in other disciplines, including conservation biology, climate science, anthropology, geology, and hydrology. The River is also subject to an interstate compact that requires upper basin states to deliver water to lower basin states, and is an important source of hydroelectric power for large cities throughout the region. Additionally, it is home to several endangered species, whose presence trigger complicated legal and management obligations. Finally, and crucially, American Indian tribes throughout the Colorado Plateau have legal, cultural, spiritual, and economic interests in the River.

Arizona Raft Adventures will be outfitting the trip, which has a launch date of May 15. One of the methods to execute a trip of this scale has been creative funding strategies, one of which is to allow alumni and other friends of Colorado Law to purchase seats on the trip. Krakoff, who has also organized meet-ups with Park service employees, tribal natural resource experts, and advocates from non-profits at various points throughout the trip, explains, “What we hope is that it brings students, alumni, and community people together.”

Colorado Law Community

On top of her pro bono work, scholarship, and teaching, Krakoff is also actively involved in the Colorado Law community. In the past year, she has served on search committees for the Dean of Colorado Law, for the Getches-Wilkinson Center executive director position, and for the Korey Wise Innocence Project director position. She has also been the Chair of the Governing Board for the Getches-Wilkinson Center, and organized the Martz Winter Symposium for the Center, honoring Professor Charles Wilkinson’s work.

Krakoff has also co-organized a works-in-progress colloquium for academics all over the country to present and discuss their papers related to climate change. The symposium, which is in its sixth summer, is co-hosted by Professor William Boyd and co-sponsored by Duke University. “It has been a great gathering and the senior faculty that we’ve invited over the years love it so much that they want to come back every year,” Krakoff says. This model is particularly effective as it allows junior faculty to be mentored by these established senior faculty, creating a highly intellectual and constructive two-day seminar.

Buzz Thompson, the Perry L. McCarty Director and Senior Fellow at Stanford Woods Institute for the Environment, is one of these senior faculty who has attended many of the symposiums. Thompson says, “The symposium is truly my favorite event of the year, and I try never to miss it. Sarah and her colleagues have created an incredibly productive, engaging, and enjoyable academic workshop. The symposium works on several different levels. It provides an opportunity for leading climate and energy experts to come together and share their insights and work once a year. It also serves as a sounding board for young legal academics working on early articles. Personally, I find that I get incredibly rich feedback on the articles that I present at the symposium.”

Scholarship

Finally, Krakoff has consistently been publishing and writing. She recently co-authored an amicus brief on behalf of the Puyallup Tribe, the Southern Ute Indian Tribe, the Navajo Nation, and several other tribes in the Supreme Court case of *Dollar General Store v. Mississippi Band of Choctaw Indians*. The case is still pending, and may well be one of the decisions that results in a 4-4 affirmance due to the death of Justice Antonin Scalia. The issue is whether the Mississippi Band’s tribal court has jurisdiction over a case in which a tribal member child alleged claims of sexual assault against a non-Indian employee of Dollar General. The employee was supervising the child during a summer internship at a Dollar General Store located on tribal trust land. The decision could have far-reaching implications for tribal jurisdiction, and tribal sovereignty more generally.

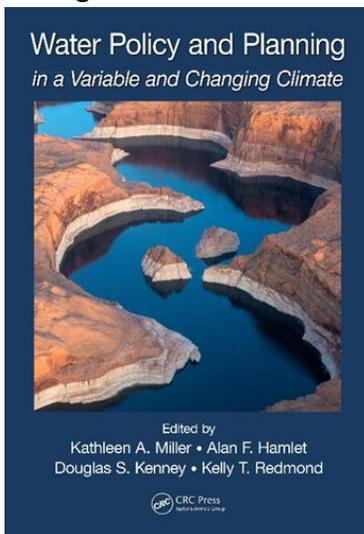
Krakoff lives in Boulder, CO with her spouse, daughter, and their eccentric cat.

Water

Western Water Policy Program

By Doug Kenney

Western water issues continue to be a major focus area of the GWC, with many activities falling under the umbrella of the Western Water Policy Program (WWPP) (www.waterpolicy.info). As is normally the case each spring, our current focus is on the upcoming Martz Summer Conference, entitled: “Coping with Water Scarcity in River Basins Worldwide: Lessons Learned from Shared Experiences” (June 9-10). (See page 23 for details.) The event this year is unusually ambitious, with our normal 2-day conference preceded by three days of invitation-only workshops featuring water experts from around the world. Participants from at least 8 countries and 12 Indigenous nations are already confirmed. To plan the event, we have partnered with teams based in Canada, Australia, and Wyoming, drawing upon the network of collaborators that the GWC has established over the past 35 years. It is hoped that this effort will provide a springboard into additional GWC projects with an international focus, as the management of scarce water supplies has become a near universal challenge throughout the world.



A common thread in many stories of water scarcity is drought and climate change, as the Earth’s water cycles react to rising temperatures and modified weather patterns. This phenomenon is addressed in a new book entitled “Water Policy and Planning in a Variable and Changing Climate” (CRC Press); the GWC’s Doug Kenney is a co-editor. Scheduled for release on June 10th—the last day of our Martz Summer Conference—the book recounts key issues and water management options in the western US, focusing on the physical, socioeconomic, and institutional context of water planning and management.

One of the basins featured in the text is the Colorado River, which remains a central focus in virtually all WWPP activities. As part of the Colorado River Governance Initiative, work has recently completed on “Looking Upstream: Analysis of Low Water Levels in Lake Powell and the Impacts on Water Supply, Hydropower, Recreation, and the Environment.” This effort was led by a team of graduate students at Yale University, and is the companion piece to a similar study of Lake Mead completed last year for the WWPP by a team of UC-Santa Barbara students. Both efforts were motivated by the desire to paint a clearer, albeit largely discouraging, picture of the impacts to continued losses of water in Lakes Mead and Powell, thereby providing further motivation to efforts to solve the long-term supply/demand imbalance. (Report available at: www.waterpolicy.info) This search for solutions is the key motivator of our ongoing work managing the Colorado River Research Group, which has recently produced papers on the functioning of the Interim Guidelines, and the need to better value and protect environmental resources as part of efforts to reform water management on the river (see www.coloradoriverresearchgroup.org, and follow us on Twitter @TheCRRG). Additional papers focused on climate change and tribal water issues are in development.

The Colorado Water Plan Project

By Anne Castle

The Colorado Water Plan, submitted to Governor Hickenlooper last November, marks a significant milestone in the history of water management in the state. There is no more comprehensive and citizen-driven water planning exercise in all the western states. The herculean efforts of the Colorado Water Conservation Board and the basin roundtables have resulted in a document that will guide state progress on water issues for the next decades. The Water Plan wisely sets out action areas and measurable objectives to define and gauge future activities.

With this impressive foundation, the attention of water leaders in the state is now turning to implementation. Although the Water Plan is a necessary step along the road to water sustainability, it is not sufficient. The Plan itself recognizes several areas in which further research and experimentation is needed to determine more precisely the pathways that should be followed. Thanks to the generosity and acute interest in Colorado water issues of an individual donor, the Walton Family Foundation, and the Gates Family Foundation, the Getches-Wilkinson Center is helping to do exactly that. Anne Castle and Larry MacDonnell, Senior Fellows at the Center, are leading a project examining some of the most promising action areas identified in the Water Plan to move Colorado toward sustainability. Student research assistants Cassidy Woodard, John Sherman, and Jaclyn Brass, volunteer attorney Monica Green, and Research Fellow Doug Kenney have all played significant roles in this endeavor.

The GWC project has identified the following four significant action areas from the Colorado Water Plan to flesh out, support with legal research, and refine implementation actions:

1. More effective and widespread watershed-level planning and management to craft practical and multi-benefit solutions at the grass roots level
2. Advancing agricultural improvement projects that benefit both farmer and the environment
3. Facilitating an enhanced statewide water bank as an alternative transfer method to promote more effective allocation in times of scarcity and sustain agricultural viability
4. Better integration of the local land use planning and approval processes with water availability and conservation techniques

In each of these areas, the focus has been on practical actions to advance the cause of water sustainability by facilitating good planning and projects. In some cases, the goals can be achieved under the existing legal framework, while in others, legislative action is necessary. Student research has been invaluable in crafting solutions in both scenarios. The efforts thus far have resulted in papers and reports on the first three areas listed, and work is continuing on the last area. All of the reports are available on the GWC website, at <http://www.colorado.edu/law/research/gwc>.

Specific recommendations for implementation have been made as a result of this work. In order to achieve the Water Plan goal of avoiding agricultural “buy-and-dry” transactions, changes to the existing Colorado statute on

water banks have been proposed to include direct flow water rights, create a streamlined process for review, and ensure that use of the bank does not pose a risk to the water rights owner or have any adverse impact on the rights of others. To facilitate beneficial agricultural improvements that also benefit the environment, a new position in the Colorado Water Conservation Board is suggested which could coordinate the now independent efforts and funding of several state and federal agencies to improve water quality and stream flows. This coordinator could also work with Colorado's various Basin Roundtables to encourage and support local watershed planning efforts. Finally, the excellent criteria articulated in the Water Plan to evaluate funding for water-related projects should be formally adopted by each of the state agencies that provide such funding.

In addition to this research and recommendations, Anne and Larry also teamed up with the Colorado Forum and a diverse group of water leaders to make very specific recommendations to Governor Hickenlooper for putting the weight of his office behind specific action areas. These recommendations were presented in a meeting with the Governor last fall. This project has also included engagement with various members of the General Assembly on proposed legislation, testimony to the Interim Water Resources Review Committee, and participation in the meetings of the Interbasin Compact Committee addressing Water Plan implementation.

Water issues in Colorado are complex and multi-dimensional, and progress can be made only by engagement with the many competing interests in the subject matter. This project has benefited from discussions and collaboration with key players in the water community all across the state. Multiple staff members at the Colorado Water Conservation Board have been generous with their time and interested in advancing this work. The Colorado Water Trust, Trout Unlimited, Western Resource Advocates, Peter Pollock at the Lincoln Institute for Land Policy, and GWC Advisory Council Chair Peter Nichols and his colleague Leah Martinsson have been invaluable partners in identifying and developing concrete and feasible recommendations.

Doug Kenney, 20 Years with Colorado Law

WWPP Director Doug Kenney is celebrating 20 years with the GWC! Kenney is an ambassador for many of the GWC's water related activities and publications, including through recent appearances on Fox News, Colorado State of Mind (PBS TV) (pictured), and NPR, and quotations in *The Atlantic*, *New Republic*, *San Francisco Chronicle*, *Denver Post*, *Arizona Daily Sun*, and *Arizona Republic*, among others. A more personal review of his work was recently featured in *CU Connections*, the online newsletter of the University of Colorado

<https://connections.cu.edu/spotlights/five-questions-douglas-kenney>



Energy and Environmental Innovation

Climate & Forests Task Force

By Julie Teel Simmonds

In 2016, a team at the University of Colorado Law School will continue its work as the Secretariat for the Governors' Climate & Forests Task Force ("GCF"), an innovative global alliance of subnational jurisdictions founded in 2009 to substantially reduce tropical deforestation and greenhouse gas emissions, significantly advance forest-based sustainable development, and directly improve the livelihoods of forest-dependent communities, smallholders, and indigenous peoples. With a 2016-2020 grant from the Norwegian Agency for Development Cooperation (Norad), the GCF will focus on improving forest governance through high-level political engagement, strengthening partnerships with indigenous peoples, forest communities, and sustainable supply chain actors, and ensuring civil society and other stakeholders are actively engaged in jurisdictional efforts to achieve low emissions development.

The GCF now encompasses 29 states and provinces in 8 countries. One-fourth of the world's tropical forests are in GCF states and provinces, including more than three-fourths of Brazil's and Peru's forests and more than half of Indonesia's.



Moving Beyond the Paris Agreement

By Marilyn Averill

The Paris Agreement (PA) was opened for signature on Earth Day, April 22, 2016. I spent much of the day watching 175 heads of state and other dignitaries sign the agreement, which will guide global efforts on climate change for the foreseeable future. What better day for reflections on the negotiations process and the Paris Agreement itself?

The United Nations Framework Convention on Climate Change (UNFCCC) was signed at the 1992 Rio Earth Summit. Quite a long time ago. Since then, the world has been trying to negotiate a more detailed agreement that would implement the aspirations and principles presented in the Framework Convention.

The first effort culminated in the Kyoto Protocol (KP). While it inspired great hopes, the fact that the U.S. did not ratify meant that the KP had relatively little effect, which was reduced even further as several industrialized countries left the so-called "binding agreement."

The world hoped to produce a stronger agreement in Copenhagen in 2009, but it was not to be. At the end, the parties "took notice" of an agreement put together in the last moments of the COP by only a few countries. That agreement was never adopted, but it gave rise to a new way of thinking about a climate agreement, one grounded in voluntary

commitments, with differentiation based on national determinations, rather than a binary division among countries. The principle of “common but differentiated responsibilities” became more nuanced, with countries distributed along a continuum, rather than divided into two or three immutable categories.

The parties came to Paris last December with high expectations for a global agreement. Would it end in disappointment, as in Copenhagen? This time the parties had more sense. They recognized that a perfect agreement—as defined differently by every party—was simply not possible. The alternative to a flexible, nationally driven set of commitments was no agreement at all.

I was in Paris for the two weeks of COP 21, and was present in the room throughout the final plenary meeting. I even had the opportunity to speak twice on behalf of the Research and Independent Non-Governmental Organizations (the RINGOs), one of the nine civil society constituencies to the UNFCCC. Our messages focused on the next steps, on the commitment, collaboration, and capacity building that will be needed if we are to keep climate change within manageable limits. Universities, including law schools, will have important roles to play in working with colleagues and students from the developing world to conduct research that will help protect the most vulnerable, shape enabling legal and business environments to attract funding for mitigation and adaptation activities, and to train current and future researchers and practitioners in theories, methods, and skills needed to address the challenges related to climate change.

Mitigation and adaptation will not be enough to prevent all adverse impacts. We need to find innovative and effective ways to deal with the loss and damage that will occur despite our best efforts to prevent them. We need to assess and manage risks, provide meaningful options for migrating populations, help people to pick up their lives after climate disasters strike, and find ways to finance protective and restorative measures.

On Earth Day 175 countries signed the Paris Agreement, and 15 of them provided notice of ratification. More will sign soon. Signing countries now need to take up ratification, for the PA will not go into effect until 55% of the 197 parties to the UNFCCC, representing 55% present of global emissions, have deposited instruments of ratification. The 15 countries that had ratified as of April represent only .03% of global emissions.

Even if fully implemented, the Paris Agreement will not keep temperature rise under 2°C. We need to keep ratcheting up ambition, while implementing commitments that already have been made. We need to bring the best minds together to find more effective ways to mitigate and adapt. Researchers need to continue to develop understanding of climate change, to track progress, and to identify and reduce impediments to progress. Innovators need to find new ways to address climate challenges such as energy storage. Lawyers must help to draft laws to promote mitigation and adaptation, and to protect the most vulnerable. And educators at all levels have the pleasure and responsibility for educating the next generation so they are better prepared to deal with climate-related problems.

For me, the agreement is less important than the process itself. The climate negotiations have reshaped the discourse on climate change by bringing the world together to discuss problems to which we all contribute, and from which we all will suffer impacts. The negotiations have given voice to less powerful countries such as small island states, which will lose land and in some cases disappear if



seas rise as expected. The world has listened, even if it has not yet provided the level of protection that is needed. Countries have learned about every aspect of climate change together, in a public forum, with members of civil society present to push for enhanced ambition and to hold countries accountable for decisions made.

Negotiations will continue on just how the general provisions of the PA will be implemented. Many contentious issues remain to be decided, from the ever-frustrating effort to develop funding sources, to monitoring and evaluation. But the Agreement itself is in place, and we need to move on to the next steps. The Paris Agreement will only be effective if everyone finds a way to help reduce the drivers of climate change and to protect vulnerable people and ecosystems from the most adverse impacts. I am trying to decide just how to get involved with implementing the Paris Agreement, both domestically and internationally. I encourage each of you to do the same.

Energy Prosumers

By Sharon Jacobs

Professor Sharon Jacobs will be publishing an article in the Ecology Law Quarterly this fall on the energy "prosumer." The line between producers and consumers in the electricity space used to be sharp. Power plants were paid to generate electricity, and consumers paid to use that electricity. More recently, however, the distinction has blurred. Now customers are generating their power via rooftop solar panels, for example, or selling commitments not to consume energy to grid operators. Increasingly, they are becoming genuine suppliers in energy markets.

But our regulatory system has not caught up and, in many cases, still struggles with how to treat these producer/consumers or, as the article calls them, "prosumers." The article surveys the challenges that these new actors pose for electricity governance and suggests a path forward. Prosumption can be good for the grid and can help us fulfill both traditional and modern goals for the electricity sector, including reliability, low prices, and pollution control. But it must be handled in a way that treats all grid participants fairly.



Native Communities and Environmental Justice

Charles Wilkinson was awarded the Lawrence R. Baca Lifetime Achievement Award

By Christina Warner



On April 8, 2016, Professor Charles Wilkinson was awarded the Lawrence R. Baca Lifetime Achievement Award at the 41st Annual Federal Bar Association Indian Law Conference (Fed Bar) in Scottsdale, Arizona. The award honors an individual who has made significant contributions to Indian law through litigation, legislation, scholarship, and the development of Indian law students. This year, Colorado Law's Native American Law Students Association (NALSA) nominated Wilkinson for the award, which they felt has been long overdue. The award honors an individual who has worked in the field of Indian law for at least 20 years, is held in high esteem, and has made significant contributions to the field through litigation, legislation, scholarship, and the development of Indian law students. Despite the highly competitive process this year, Wilkinson now joins the esteemed ranks of past recipients such as John Echohawk, David Getches, and Tom Fredericks.

As one of the premier Indian Law conferences, Fed Bar is a well-anticipated event. Colorado Law traditionally participates in Fed Bar, through sending NALSA members to attend and in faculty participation on panels discussing contemporary issues in the field. This year was no exception, and those attending were able to celebrate Wilkinson's work and accomplishments with current Colorado Law students and faculty, alumni, and other friends. Wilkinson's prolific work in Indian Country, the American West, and on public lands was well-celebrated this year – and well-deserving of such praise. Wilkinson's work extends far beyond the pages of his many texts and books and articles; NALSA's nominating letter, expresses just that sentiment:

“There is no one more deserving of this award than Charles Wilkinson. Beyond his practice of and scholarly contribution to Indian law, Charles has inspired countless students to take an interest in issues in Indian Country. From students in his myriad classes, to his research assistants, to the countless others who have been so fortunate to be impacted by his work, Charles's impact on Indian law and Indian Country is incalculable. Charles lives and works with an unrelenting optimism that is not only crucial, but also contagious. Those who have had the privilege to meet Charles have seen his respect for Indian people and the land... It is nearly impossible to put into words how deserving Charles is of this award. Perhaps the only person who could do it justice, would be Charles himself – but even then, he would undoubtedly describe his work humbly, mentioning the countless individuals and organizations he has worked with over the years and the impacts they have had on his career. Charles Wilkinson has inspired and motivated decades of students to become lawyers in Indian Country and our group of students is honored to nominate him on behalf of these generations for this award.”

Getches-Green Natural Resources, Environmental Law, and Energy Clinic

By Audrey Huang

The students in the Getches-Green Natural Resources, Environmental Law, and Energy Clinic have continued to work on a wide-range of matters. Two highlights include the following:

In the fall 2014 and spring 2015 semesters, four students from the clinic, **Nick Hancock ('16), Caitlin Miller ('16), Richard Peterson-Cremer ('16), and Jimmy Valenti ('15)**, drafted two petitions to list the Western bumble bee and the Yellow-banded bumble bee as threatened or endangered under the Endangered Species Act. Our client, the Defenders of Wildlife, submitted these petitions to the Fish and Wildlife Service on September 25, 2015. On March 16, 2016, the Service announced that it found both of the petitions presented substantial information indicating that listing each species may be warranted. Due in large part to the students' work, the petitions have cleared the first hurdle toward listing. The Service is now conducting a twelve-month status review to determine whether listing the species is warranted under the ESA. The Clinic is currently representing a small community organization in southern Colorado in an enforcement matter by the Colorado Department of Health and the Environment (CDPHE). Students conducted fact investigation, helped establish the legal status of the organization to enable it to negotiate with CDPHE, and negotiated several agreements. The Clinic is continuing to advise the organization regarding its water rights.

Professor Mark Squillace

Professor Squillace's most recent article, *Marketing Conserved Water*, was the lead article in the spring, 2016 issue of ENVIRONMENTAL LAW. 46 ENVTL L. 1 (2016), available at https://law.lclark.edu/law_reviews/environmental_law/. The article argues for a streamlined water marketing program for "conserved" water, which he defines narrowly to encompass only that water that is saved as a result of reduced consumption. *Marketing Conserved Water* will be followed soon by *Managing Unconventional Oil and Gas Development as if Communities Mattered*. This article will appear in the Vermont Law Review and argues for a range of reforms that could make oil and gas development more acceptable to impacted communities.

Professor Squillace also has two new casebook that will be published soon. The third edition of NATURAL RESOURCES LAW AND POLICY (with Rasband, Salzman, and Kalen) is expected to be published by Foundation Press in a matter of weeks. A new casebook -- ENVIRONMENTAL DECISIONMAKING published by Carolina Academic Press will be available sometime this summer.

Professor Squillace traveled to India in February of 2016 to participate in a series of workshops aimed at assisting local lawyers, NGO representatives, and local community activists who are struggling to address the adverse impacts from coal mining and coal use in India. His work with Indian community leaders is expected to continue for the foreseeable future. He was also an invited speaker at the *National Association of Environmental Professionals 41st Annual Conference* in Chicago in April of 2016 and at a conference on *Water Acquisition and Management for Oil and Gas Development*, in Houston. The latter conference, also in April of 2016, was co-sponsored by the Rocky Mountain Mineral Law Foundation and the Institute for Energy Law.

Plans for the summer of 2016 include an article tentatively titled *Rethinking Public Land Use Planning* and another called *Restoring the Public Interest in Western Water Law*. The former article will consider on the land use planning processes at the federal multiple use land agencies and suggest they be restructured in fundamental ways to promote a more streamlined and adaptive approach. The latter looks at public interest standards in thirteen western states and considers whether these states have adequately addressed public values in managing the public's water resources and in the administration of water rights.

2015-2016 Student Awards

Gary C. Bryner Award for Public Service in Natural Resource Policy

Jesse Heibel

Jesse Heibel ('16) was awarded the Gary C. Bryner Award for Distinguished Public Service in Natural Resource Policy. Jesse was active in many different areas throughout law school, with a major focus on natural resources, American Indian law, and public interest work. He served as the Vice President of the National Lawyers Guild student group and participated in both the Legal Alternative Dispute Resolution group and CURJ, a main campus restorative justice project. He worked with the Acequia Project for the first two years of law school, and in his final year focused on Native issues in the American Indian Law Clinic and in the National Native American Law Students Association moot court competition. Jesse says that the experiential learning from this clinic, as well as the Advanced Natural Resources Seminar, co-taught by Professors Charles Wilkinson and William Boyd, were his favorite parts of law school. The ability to travel to reservations and locations discussed in class, he said, provided an unparalleled learning experience.

During his summers, Jesse first worked as a public interest fellow for the Colorado Lawyer's Committee. The following summer, he focused on energy policy for the National Conference of State Legislatures, culminating with a trip to Washington, DC to attend the Tribal Energy Summit.

Jesse will be serving as the next Getches Fellow for the Getches-Wilkinson Center. His research will focus on tribal renewable energy projects and best practices. Jesse will also be assisting Professors Carla Fredericks and Sarah Krakoff on their work. Professor Krakoff says, "Jesse is fully committed to using his law degree to advance social justice and navigate a path to a sustainable environmental future. He understands the intertwined problems of environmental degradation and inequality, and he is one of many young people who give me hope that, despite what his generation inherited, they will figure it out. I am thrilled that Jesse will be working with us for another year as the Getches Fellow. And I know David Getches would be proud."



(Left to Right)

Caitlin Miller, Jesse Heibel, and Chloe Bourne

Natural Resources Outstanding Student Award

Chloe Bourne (co-recipient)

Chloe Bourne ('16) received the Natural Resources Outstanding Student Award for outstanding service and scholarship. Professor Sarah Krakoff describes Chloe's "disarming quiet brilliance." Krakoff notes, "She is shy, and yet has repeatedly taken on leadership roles and service opportunities where her talents have shined. Chloe's work ethic, analytic skills, and writing ability are only outmatched by her big heart. She is and will be a credit to Colorado Law."

Chloe's commitment to natural resource law and policy was evident throughout her entire law school career. Throughout law school, she worked with the Professor Sarah Krakoff and the Acequia Project. She was also active in the Native American Law Students Association and the Environmental Law Society, serving as the Getches-Wilkinson Center Liaison during her second year. She has spent her last year of law school as the Editor-in-Chief of the Environmental Law Review.

Chloe also spent time as a Research Assistant for various faculty and staff projects, including former Getches Fellow Julia Nania's work on tribal in-stream flow rights, Research Fellow Kathryn Mutz's work on oil and gas best management practice, and Professor Charles Wilkinson's forthcoming book on the Boldt decision. During her first summer, Chloe clerked for Justice Allison Eid and during the fall of her second year, she clerked for Justice Greg Hobbs. At other points in law school, Chloe also clerked for Judge Karolyn Moore of Boulder County Court and worked for the firm Fredericks, Peebles, and Morgan.

Chloe cites the Advanced Natural Resource Seminar as her favorite part of law school, a class where she learned the most and was able to gain a new perspective on her research for Professor Wilkinson. She hopes to continue working in the natural resource, environmental, and Indian law fields.

Caitlin Miller (co-recipient)

Caitlin Miller ('16) received the Natural Resources Outstanding Student Award for outstanding service and scholarship. Prior to law school, Caitlin worked for Greenpeace for eight years, inspiring her to focus on natural resource and environmental law. In law school, she served as the Managing Editor of Law Review and wrote her note on state anti-animal cruelty laws. Caitlin enjoyed being able to focus on natural resource law during the second and third years of law school, particularly the ability to gain a deep understanding of laws like the Clean Air Act. During school, she worked as a student attorney in the Natural Resources Law Clinic and externed with the EPA Mobile Source Enforcement Branch. Her clinical professor, Audrey Huang, says, "She is one of the brightest students I have seen, very articulate, and she will undoubtedly be excellent attorney who has a significant impact in this field."

During her first summer, Caitlin interned at the Wilderness Society with the Director of the Southwest Region, which is based out of Denver. She spent her second summer also in Denver as a law clerk with Earthjustice. Caitlin hopes to continue working in natural resources and environmental law, potentially with air quality, air pollution issues, and the Clean Air Act either through non-profit or governmental work.

Recent Publications

William Boyd

Accidents of Federalism: Rate Design and Policy Innovation in Public Utility Law, 63 UCLA L. Rev. __ (forthcoming 2016) (with Ann E. Carlson).

The Slain Wood: Papermaking and its Environment Consequences in the American South, (available from Johns Hopkins University Press 2015)

Public Utility and the Low Carbon Future, 61 UCLA L Rev. 1614 (2014)

A Review of Water and Greenhouse Gas Impacts of Unconventional Natural Gas Development in The United States, 2 MRS ENERGY & SUSTAINABILITY: A REVIEW JOURNAL 1-21 (2015) (with D. Arent et al.).

Controlling Methane Emissions in the Natural Gas Sector: A Review of Federal & State Regulatory Frameworks Governing Production, Gathering, Processing, Transmission, and Distribution, Joint Institute for Strategic Energy Analysis, NREL/TP-6A50-63416, 1-79 (NREL 2015) (with E. Paranhos, T. Kozak, J. Bradbury, D. Steinberg, and D. Arent).

A Review of Sector and Regional Trends in U.S. Electricity Markets: Focus on Natural Gas, Joint Institute for Strategic Energy Analysis, NREL/TP-6A50-64652, 1-56 (NREL 2015) (with J. Logan and K. Medlock)

More Food, More Forests, Fewer Emissions, Better Livelihoods: Linking REDD+, Sustainable Supply Chains, and Domestic Policies in Brazil, Indochina, and Columbia. 4 CARBON MANAGEMENT 639 (2013) (with D. Nepstad, et. al.).

Julia Guarino

Julia Guarino, *Protecting Traditional Water Resources: Legal Options for Preserving Tribal Non-consumptive Water Use*, 37 Pub. Land and Res. L. Rev. (forthcoming 2016).

Julia Guarino, *Tribal Food Sovereignty and the Law in the American Southwest*, 11 Journal of Food Law

Lakshman Guruswamy

International Energy and Poverty: The Emerging Contours (Routledge, 2015) 329 pages.

Global Energy Justice: Law and Policy (West, 2016) 300 pages.

The Contours of Energy Justice, in International Environmental Law and The Global South (Gonzales ed. Cambridge University Press, 2015) 20 pages.

Energy Poverty and Affordable Sustainable Energy Technologies, in Delivering Energy Law and Policy in the EU and the US: A Reader (Raphael J. Heffron and Gavin Little eds. Edinburgh UP 2015) 6 pages.

Sharon Jacobs

Energy Deference, 40 Harv. Envtl. L. J. F. 49 (2016)

Consumer Generation, 43 Ecology L.Q. (forthcoming 2016)

Bypassing Federalism and the Administrative Law of Negawatts, 100 Iowa L. Rev. (Upcoming) (2015).

The Administrative State's Passive Virtues, 66 Admin. L. Rev. (Upcoming) (2014).

Recent Publications Continued

Doug Kenney

Improving the Viability of Alternative Transfer Mechanisms (ATMs) in Colorado: A Synthesis of Research and Findings from the Getches-Wilkinson Center, 2014-2015. Getches-Wilkinson Center for Natural Resources, Energy and the Environment. Forthcoming.

Kenney et al. 2014. *Research Needs in the Colorado River Basin: A Summary of Policy-Related Topics to Explore Further in Support of Solution-Oriented Decision-Making.* Boulder: Colorado River Governance Initiative; Getches-Wilkinson Center for Natural Resources, Energy and the Environment. June.

Sarah Krakoff

They Were Here First: American Indian Tribes, Race, and the Constitutional Minimum, 69 *Stanford Law Review* (forthcoming 2017).

Indigenous Peoples and Climate Change, in *Climate Change Law, Vol. 1* of *Elgar Encyclopedia of Environmental Law* (Dan Farber and Marian Peeters, eds.) (forthcoming 2016).

Sustainability and Justice in Rethinking Sustainability to Meet the Climate Change Challenge, Jessica Owley and Keith H. Hirokawa, EDS., 199-227 (ELI, 2015).

AMERICAN INDIAN LAW: CASES AND COMMENTARY, 3^d ed. (Thomson/West, 2015) (with Anderson, Berger & Frickey)

Race, Membership, and Constitutional Concern, 9 *Florida International Law Review* 295 (2014)

Law, Violence, and the Neurotic Structure of American Indian Law, 49 *Wake Forest Law Review* 473 (2014)

Mark Squillace

Grazing in Wilderness Areas, 44 *ENVTL. L.* 415 (2014)

Meaningful Engagement in Public Lands Decisionmaking, 59 *ROCKY MTN. MIN. L. Fnd.* 21-1 (2013)

Water Transfers for a Changing Climate, 53 *NATURAL RESOURCES JOURNAL* 12-02 (2013).

The Tragic Story of the Federal Coal Leasing Program, 27 *NATURAL RESOURCES & ENVIRONMENT* No. 3 (winter, 2013).

Accounting for Water Rights in the Western United States, in *INTERNATIONAL WATER ACCOUNTING: EFFECTIVE MANAGEMENT OF A SCARCE RESOURCE* (2012)

NEPA, Climate Change, and Public Lands Decision-making (with Alexander Hood), 42 *ENVTL. L.* 469 (2012)

Charles Wilkinson

Heeding the Clarion Call for Sustainable, Spiritual Western Landscapes: Will the People Be Granted a New Forest Service?, 33 *PUBLIC LAND & RESOURCES LAW REVIEW* 1 (2012) (with Daniel Cordalis).

Cases and Materials on Federal Indian Law (6th ed. 2011) (with David H. Getches, Robert A. Williams, Jr. & Matthew L. M. Fletcher).

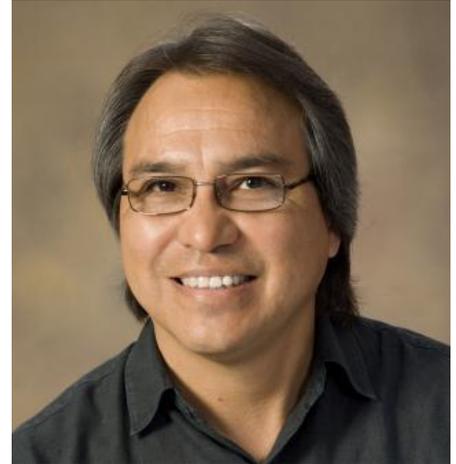
The People Are Dancing Again: The History of the Siletz Tribe of Western Oregon (2010).

James Anaya (continued from page 1)

Among Anaya's numerous publications are his acclaimed book, *Indigenous Peoples in International Law*, and his widely-used co-authored textbook, *International Human Rights: Problems of Law, Policy and Practice*.

In addition to his academic, field and literary work, Anaya has litigated major indigenous rights and human rights cases in domestic and international tribunals including the Supreme Court of the United States, the Inter-American Court of Human Rights and the Caribbean Court of Justice.

"I'm excited to join a law school that is at the leading edge of innovation in legal education and scholarship," said Anaya. "I look forward to becoming part of Colorado Law's vibrant community of students, alumni, faculty and staff who are dedicated to excellence; and to working with the larger legal community in Colorado and beyond in ways that can build on what Colorado Law is already doing to serve our profession and the public."



For his work from 2008 to 2014 as the United Nations Human Rights Council's Special Rapporteur on the rights of indigenous peoples, Anaya was nominated for a Nobel Peace Prize. In his role as the Special Rapporteur, Anaya examined and reported on conditions of indigenous peoples worldwide and responded to allegations of human rights violations against them. His work was conducted through in-country visits and direct contacts with governments.

Among his noteworthy activities, Anaya participated in the drafting of the United Nations Declaration on the Rights of Indigenous Peoples and was the lead counsel for the indigenous parties in the case of *Awás Tingni v. Nicaragua*. The case represents the first time the Inter-American Court of Human Rights upheld indigenous land rights as a matter of international law.

Colorado Law alumni participated in the search for a new dean. Hugh Gottschalk, partner and president at Wheeler Trigg O'Donnell LLP shared, "I was privileged to be part of the search committee, and was impressed with the wide array of talented individuals who applied. With his impressive background and accomplishments at the UN, I am thrilled that Jim Anaya is going to lead Colorado Law."

"I had the opportunity to meet all of the finalists, and was awed by the depth, breadth and intellect of each of the applicants. Jim is an exemplary scholar who has done wonderful work on behalf of indigenous peoples," said Lucy Schlauch Stark, chair-elect of the Law Alumni Board and partner at Holland & Hart LLP. "The Law Alumni Board welcomes Jim, and looks forward to working together to continue to make Colorado Law an innovative and elevated institution."

Anaya joined the University of Arizona in 1999 after serving 11 years on the faculty at the University of Iowa. He also has been a visiting professor at Harvard University, the University of Toronto and the University of Tulsa, and an adjunct professor at the University of New Mexico. He received a bachelor's degree from the University of New Mexico and a law degree from Harvard Law School.

Upcoming Events

2016 Martz Summer Conference

***Coping with Water Scarcity in River Basins Worldwide:
Lesson Learned from Shared Experiences***

**Coming June 9th and 10th, 2016
University of Colorado, Boulder
Wolf Law Building, Wittemyer Courtroom**



Water scarcity is increasingly dominating headlines throughout the world. In the southwestern USA, the looming water shortages on the Colorado River system and the unprecedented drought in California are garnering the greatest attention. Similar stories of scarcity and crisis can be found across the globe, suggesting an opportunity for sharing lessons and innovations. For example, the Colorado River and Australia's Murray-Darling Basin likely can share many lessons, as both systems were over-allocated, feature multiple jurisdictions, face similar climatic risks and drought stresses, and struggle to balance human demands with environmental needs. In this conference we cast our net broadly, exploring several salient topics including: trans-boundary cooperation, water marketing, Indigenous water rights, environmental and social water needs, and drought coping.

More information, pricing, and registration available at:
<http://www.colorado.edu/law/research/gwc/events>

9th Annual Schultz Lecture

***Featuring Paul Joskow, MIT Professor of Economics
President, Alfred P. Sloan Foundation***

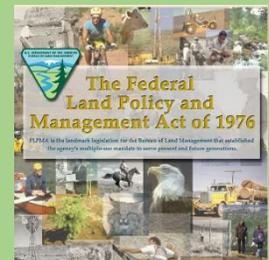
**Coming Thursday, September 22nd
5:30 p.m.
University of Colorado, Boulder
Wolf Law Building, Wittemyer Courtroom**



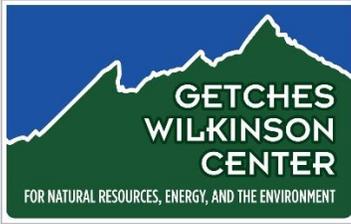
More information and registration coming soon to:
<http://www.colorado.edu/law/research/gwc/events>

40th Anniversary of the Federal Land Policy and Management Act of 1976

**Coming Friday, October 21st
University of Colorado, Boulder
Wolf Law Building, Wittemyer Courtroom**



More information and registration coming soon to:
<http://www.colorado.edu/law/research/gwc/events>



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Support the Getches-Wilkinson Center

2016 Dean's Match Challenge

As we look to the next academic year, the Center is facing some important new frontiers. Our Executive Director Britt Banks is retiring this summer and we will welcome a new Executive Director. We are also bringing on board a new Dean, James Anaya, who is a leading authority on indigenous rights, and who is committed to the continued success of the Getches Wilkinson Center. We expect to have an announcement of our new Executive Director soon.

To help our new Dean and Executive Director start with powerful momentum, our outgoing Dean, Phil Weiser, has provided the Center with a matching challenge. In particular, if you **make a gift to GWC by June 30, Dean Weiser will match that gift with his discretionary funds, up to \$1,000 per gift and up to a \$25,000 total match.**

Please take advantage of this opportunity to help the Center sustain and build on its level of excellence. In short, you can make double the impact with your gift by making a gift online at www.cufund.org/gwc before June 30. For more information about supporting the GWC, please contact Ellen Goldberg at 303-735-3689 or ellen.goldberg@colorado.edu.

Serving the people of the American West, the nation, and the world through creative, interdisciplinary research, bold, inclusive teaching, and innovative problem solving in order to further true sustainability for our lands, waters, and environment.

<http://www.colorado.edu/law/research/gwc>