



PREDICT Services, Flood Risk Management



A solution for local communities and regional authorities



An integrated solution



Keys of flood risk management





Anticipation et management



Capitalisation et information





The integrated risk management a necessity



Integrated risk management

Before the event : Elaborate a municipal plan of protection (or a company plan of protection) to organize the flood management and inform the public

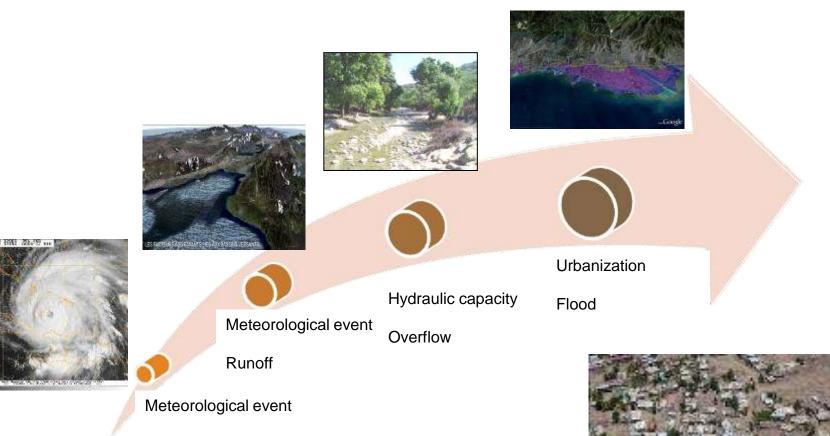
During the event : Anticipate floods and assist local communities or companies during crisis

After the event : Analyze events, improve behaviours





Flood Chronology



Rain



Concept developed by Predict

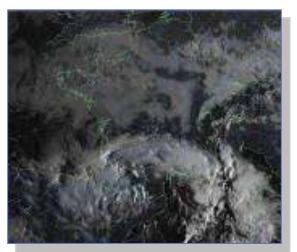




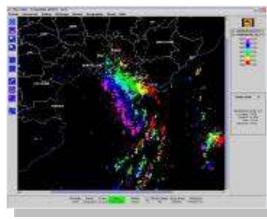
20 000 french communities assisted to face flood crisis



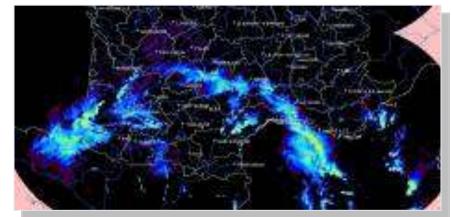
To know, analyze the situation



Cloud system- satellite data



Storm activity, impacts



Rainfall in real time - radar data

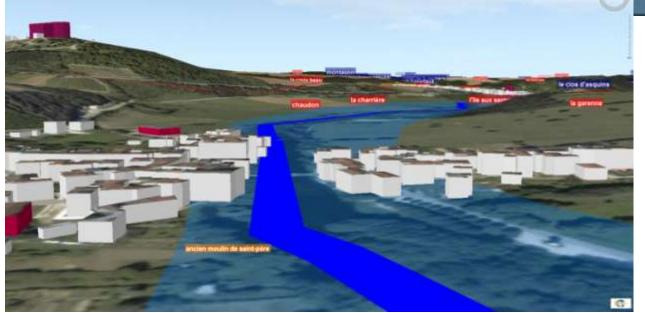


Hights/flow measuring stations





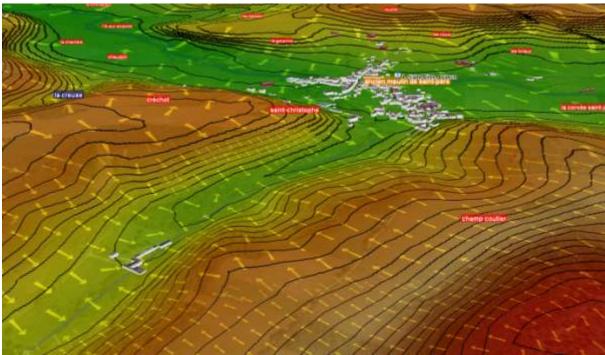




Before : Diagnosis



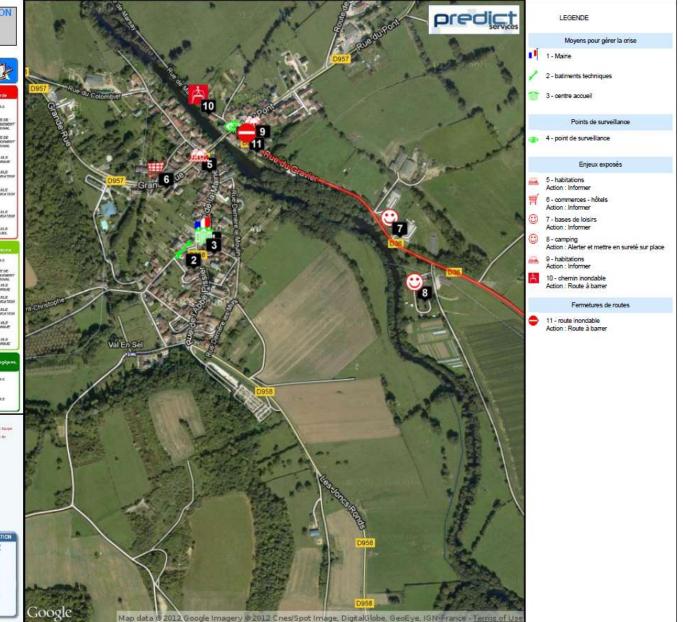






Action plan to face floods crisis

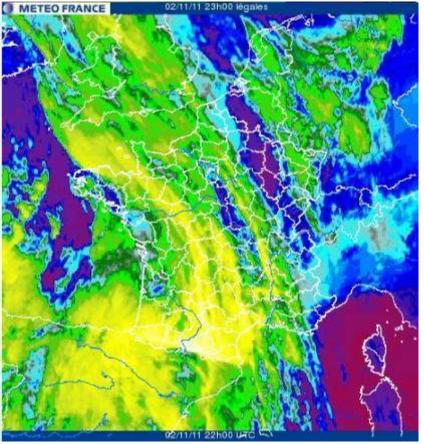
A SAINT-PERE Plan du 06/06/2012 QUAND ? COMMENT ? ~ con the actuary do to restance PLAN D'ACTIONS tant la mine en place - Mobiliser la Cellule de Crise Municipale et agencer 802 un PC de Crise - Meintenir un suivi régulier de l'évènement sur 0.000.04 votre espace WIKI Predict - Etre en relation avec les services associés oste ce (Préfecture, services de secours, gestionnaires de réseaux, etc.) CELLIE - Fermer les voiries inondables Mottre en place une permanence en mairie pour PELLALE infomer la population - Alerter les personnes exposées en diffusant les COMMUNICAT consignes de sauvegarde appropriées (évacuation, mise en sécurité sur place) - Alerter les Etablissements Recevant du Public CHERALE (écoles, activités de loisirs...) 05/03/1999 - Ouvrir le(s) centre(s) d'accueil et accueillir les ACCURE. 13/03/2001 personnes sinistrées Evénement Evénement Evénement de Médilisér une équipe restreinte pour gérer les Evénement de Nemers à l'événement 0.0.1 POSTFOF - Maintenir un suivi régulier de l'évènement sur votre sepace WIKI Predict CRLLIN.R FECHMOLE Assurer la suivi de la situation sur la terrain - Inflormer les personnes exposées aux PREALEPTI OBLARLE COMMUNICATION premiers débordements Informer les Etablissements Recevant du Public DELLALE (époles, activités de loisirs...) GELLILE - Faire déplacer les véhicules stationnés en zone incondable - Préparer le matériel technique nécessaire (barrières, CHLIRA tables, chaises, etc.) PHASE DE VIGILANCE hydrologicses, VIGILARCE Se connector régulièrement à votre espace 0.0.2 WIKI Predict pour s'informer de l'évènement Vérifier la disponibilité des membres de la Cellule 0.0.2 de Crise Municipale en prévision de l'activation du Plan Communal de Sauvegarde QUI ? oste de Commandement Com Directeur des opérations de secours Christian GUYOT : 0680568221 Suppleant(s) Jean DESPINEY 0386333117 CELLULE ACCUER CELLULE TECHNIQUE CELLULE COMMUNICATION Assurer l'interface entre la commune et la population Röle : Reconnaissance terrain et sa table factorique du discustif comm Responsable Responsable Responsable Isabelle JEANNIN Eric BUREAU Giles TRAME 0676006347 0633085528 0603364270 Suppléant Suppléant Suppléant Sandra CHANVIN Sandra CHANVIN Alain CAILBAULT 0684742916 0684889135 0684742916



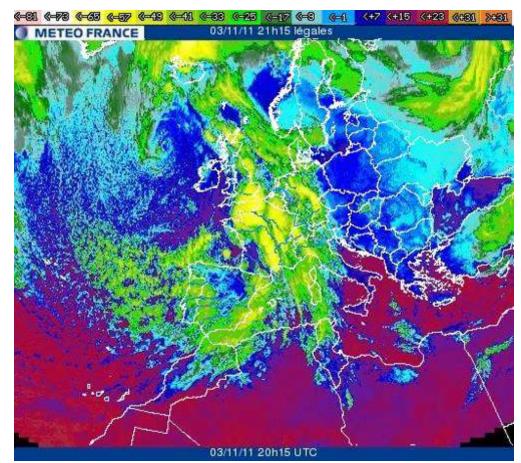


Follow up of the event

on infra-red satellite picture



2nd November 2011 - 23h00 local time



3rd November 2011 - 21h20 local time

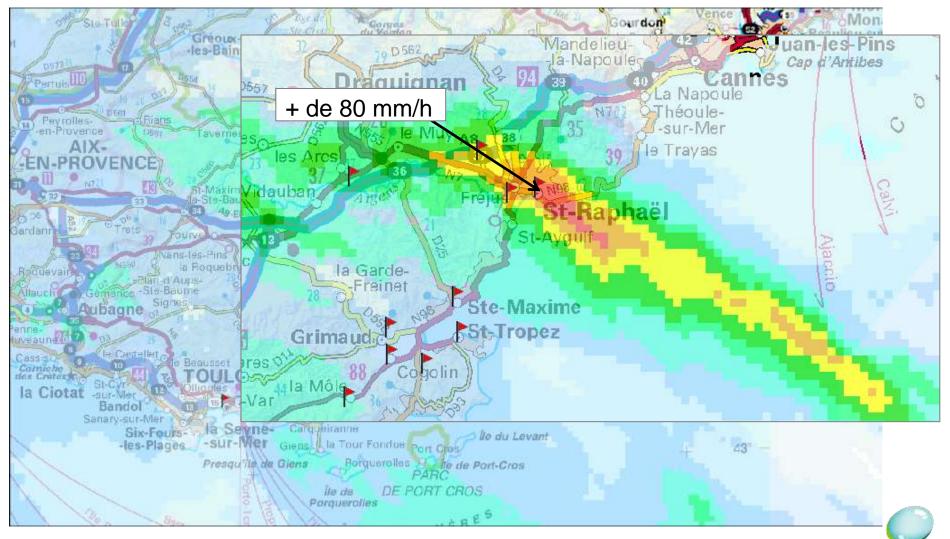




Image satellite visible MF 8 11 2011 à 11h00 Tropical Mediterranean Storm



Rainfall intensity on GIS Riskframe Predict : each km/2 and each 5 minutes









Operational Center for Crisis Management - PREDICT services

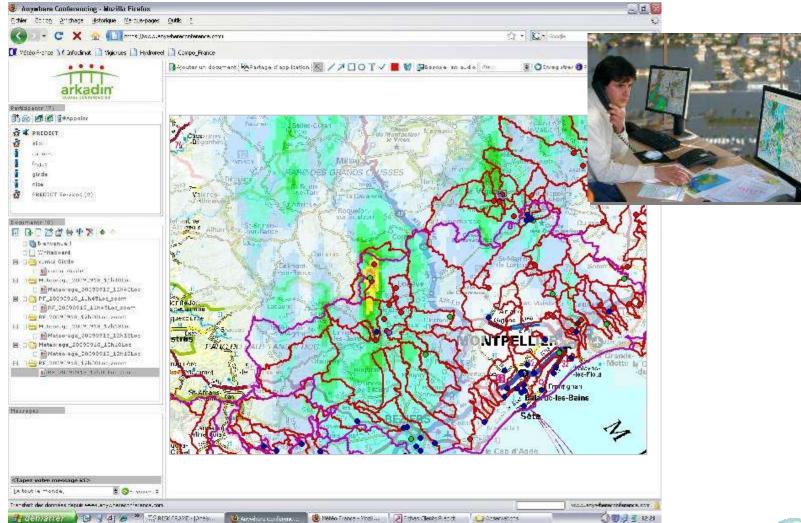


Internet Information Platforme



predict Real time information for Risk Management on Web conference

Gestion du risque inondation

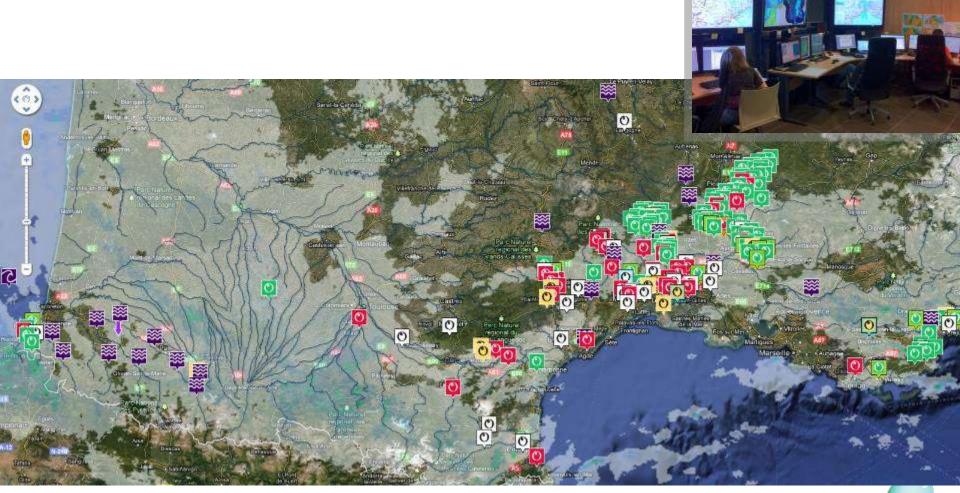




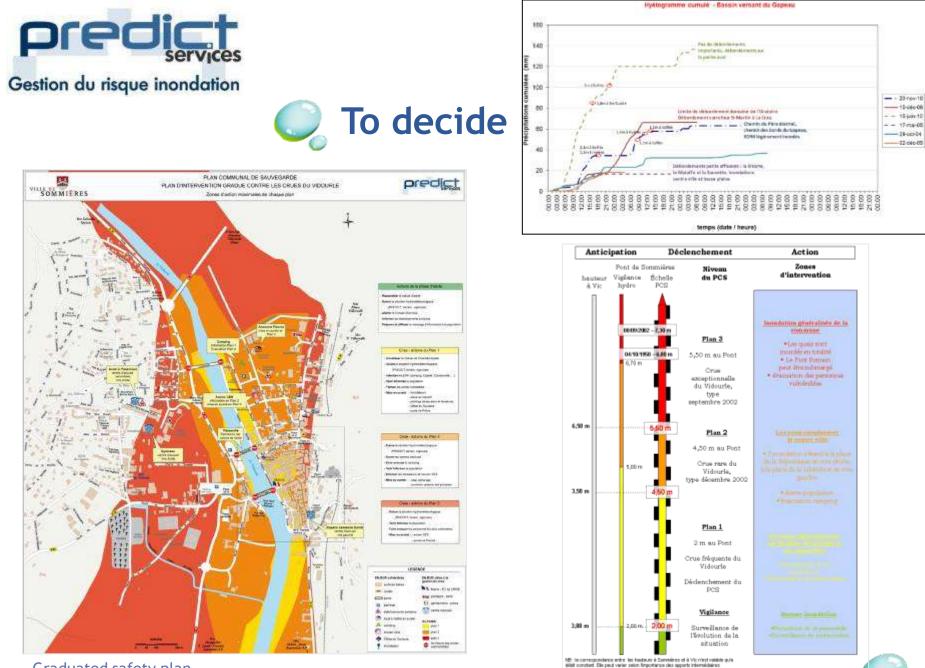


Real time information

for safety plan activation with the help of wiki-predict



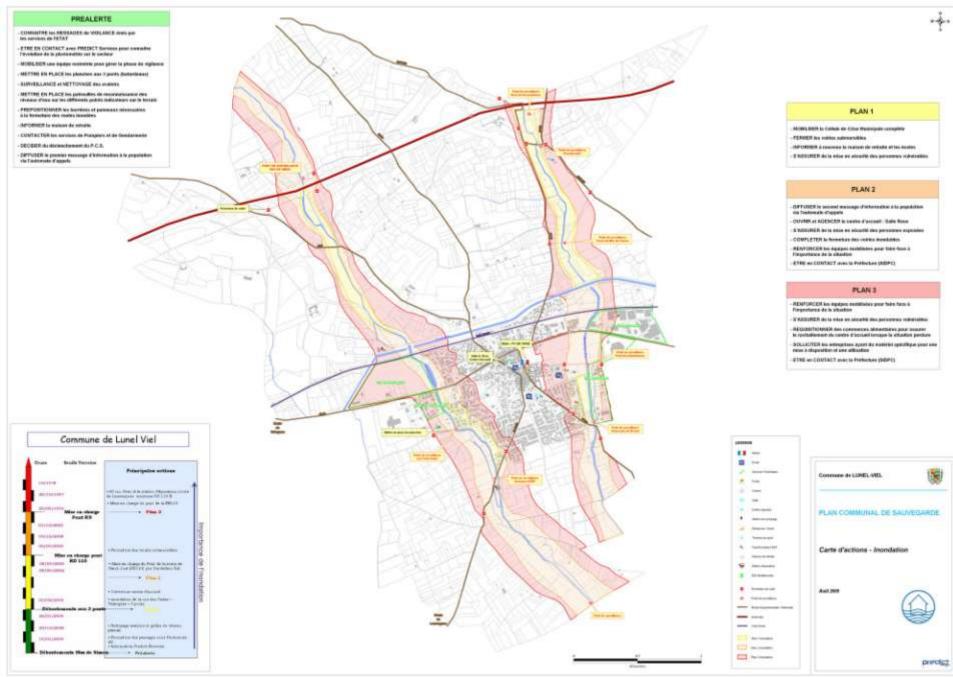




Graduated safety plan

Scales of Risk

Safety plan















Impacts



Laroque road on November 2011



Montpellier on November 2011



Source : Midi libre



Millau on November 2011



Impacts





Pézenas on November 2011

Palavas on November 2011



Saint Martin d'Ardèche on November 2011

Anduze on November 2011



1st to 6th november 2011 **Event**



The most important event since 1940 : more than 800mm registered on 6 days



Effective risk management minimizing impacts and human loss







Conclusion



Solutions answering the needs of local authorities



Space geoinformation data integrated in operational services for flood risk management



Development of solutions for other risks management and other applications

